



## ARF GAP3 Monoclonal Antibody

GAP 3  Observed Band  Cell Pathway  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP members and the control of the contr	Reactivity Human;Rat;Mouse;  Applications WB  Gene Name ARFGAP3  Protein Name ADP-ribosylation factor GTPase-activating protein 3  Immunogen Synthesized peptide derived from ARF GAP3 . at AA range: 280-360  Specificity ARF GAP3 Monoclonal Antibody detects endogenous levels of ARF GAP3 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARF GAP3  Observed Band 60kD  Cell Pathway Cytoplasm Golgi apparatus membrane : Peripheral membrane protein ; Cytoplasmic side. Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function caution: Was originally (PubMed:10704287) termed ARFGAP1, developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in splent level in adult thymus, brain and lung, than in the overy.		
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Purity ≥90%  Storage Stability -20°C/1 year  Synonyms ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; AGAP 3  Observed Band 60kD  Cell Pathway Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity Widely expressed . Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP m	Purity ≥90%  Storage Stability -20°C/1 year  Synonyms ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP 3  Observed Band 60kD  Cell Pathway Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion	Dilution	WB 1:500-2000
Storage Stability  -20°C/1 year  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; AGAP 3  Observed Band  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP m	Storage Stability  -20°C/1 year  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP3  Observed Band  60kD  Cell Pathway  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1, developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2), function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion	Concentration	1 mg/ml
Synonyms  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; AGAP 3  Observed Band  Cytoplasm Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution: Was originally (PubMed:10704287) termed ARFGAP1., developmental stage: Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development., enzyme regulation: GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2)., function: GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP membrane activating protein spleen.	Synonyms  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP 3  Observed Band  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion		
GAP 3  Observed Band  Cell Pathway  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP members and the structures likely to be endoplasmic reticulum-Golgi intermediate compartment.	Cell Pathway  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion	Purity	≥90%
Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression i the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP m	Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Tissue Specificity  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion		
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gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution: Was originally (PubMed:10704287) termed ARFGAP1., developmental stage: Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development., enzyme regulation: GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2)., function: GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP metals.	gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary.  Function  caution:Was originally (PubMed:10704287) termed ARFGAP1.,developmental stage:Expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion	Storage Stability Synonyms	-20°C/1 year  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP3
stage:Expressed at higher level in adult thýmus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney a liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating prote (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP m	stage:Expressed at higher level in adult thýmus, brain and lung, than in corresponding fetal tissues. Expressed at lower level in spleen, heart, kidney and liver during development.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2).,function:GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion	Storage Stability Synonyms Observed Band	-20°C/1 year  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP 3  60kD  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be
with target membranes.,similarity:Contains 1 Arf-GAP domain.,subcellular		Storage Stability Synonyms Observed Band Cell Pathway	-20°C/1 year  ARFGAP3; ARFGAP1; ADP-ribosylation factor GTPase-activating protein 3; ARFGAP 3  60kD  Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment.  Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in

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	reticulum-Golgi intermediate compartment.,tissue specificity:Widely expressed. Highest expression in endocrine glands (pancreas, pituary gland, salivary gland, and prostate) and testis with a much higher expression
Background	The protein encoded by this gene is a GTPase-activating protein (GAP) that associates with the Golgi apparatus and regulates the early secretory pathway of proteins. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1 (ARF1)-bound GTP, which is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is a prerequisite for the fusion of these vesicles with target compartments. The activity of this protein is sensitive to phospholipids. Multiple transcript variants encoding different isoforms have been found for this gene. This gene was originally known as ARFGAP1, but that is now the name of a related but different gene. [provided by RefSeq, Nov 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

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