



# Rab 5A Polyclonal Antibody

<b>Catalog No</b>	BYab-16295
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	RAB5A
<b>Protein Name</b>	Ras-related protein Rab-5A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human RAB5A. AA range:71-120
<b>Specificity</b>	Rab 5A Polyclonal Antibody detects endogenous levels of Rab 5A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	RAB5A; RAB5; Ras-related protein Rab-5A
<b>Observed Band</b>	24kD
<b>Cell Pathway</b>	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Early endosome membrane ; Lipid-anchor . Melanosome . Cytoplasmic vesicle . Cell projection, ruffle . Membrane . Cytoplasm, cytosol . Cytoplasmic vesicle, phagosome membrane . Endosome membrane . Enriched in stage I melanosomes (PubMed:17081065). Alternates between membrane-bound and cytosolic forms (Probable) .
<b>Tissue Specificity</b>	Brain,Cervix,Cervix carcinoma,Placenta,
<b>Function</b>	enzyme regulation:Regulated by guanine nucleotide exchange factors (GEFs) which promote the exchange of bound GDP for free GTP.,function:Required for the fusion of plasma membranes and early endosomes.,similarity:Belongs to the small GTPase superfamily. Rab family.,subcellular location:Enriched in stage I melanosomes.,subunit:Binds EEA1. Interacts with RIN1 and GAPVD1, which regulate its pathway, probably by acting as a GEF. Interacts with ALS2CL, UNC84B, ZFYVE20 and RUFY1. Interacts with SGSM1 and SGSM3.,

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### Background

enzyme regulation: Regulated by guanine nucleotide exchange factors (GEFs) which promote the exchange of bound GDP for free GTP., function: Required for the fusion of plasma membranes and early endosomes., similarity: Belongs to the small GTPase superfamily. Rab family., subcellular location: Enriched in stage I melanosomes., subunit: Binds EEA1. Interacts with RIN1 and GAPVD1, which regulate its pathway, probably by acting as a GEF. Interacts with ALS2CL, UNC84B, ZFYVE20 and RUFY1. Interacts with SGSM1 and SGSM3.,

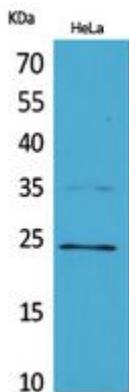
### matters needing attention

Avoid repeated freezing and thawing!

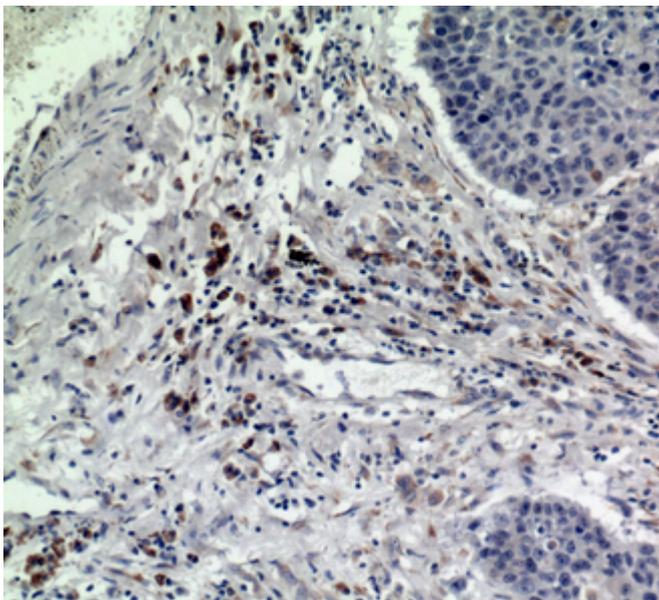
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

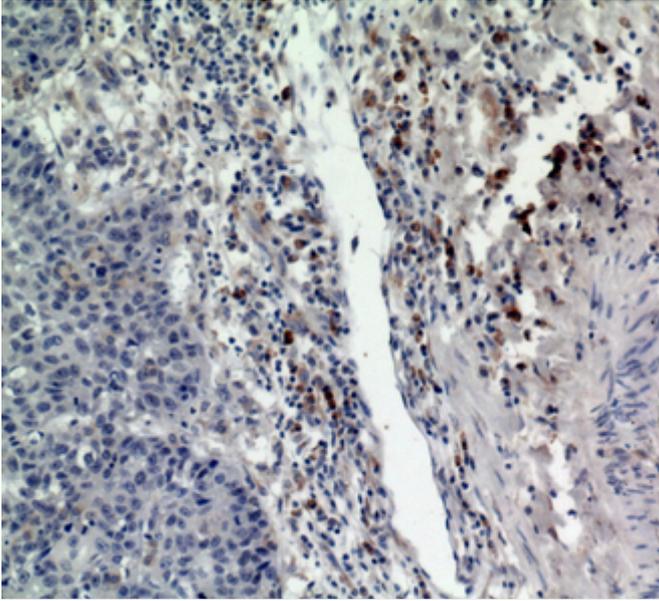


Western Blot analysis of HeLa cells using Rab 5A Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

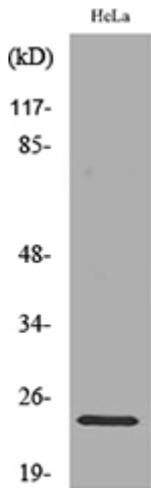


Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100

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Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



Western blot analysis of lysate from HeLa cells, using RAB5A Antibody.