



G3BP-1 (Phospho Ser149) Rabbit pAb

Catalog No	BYab-17649
Isotype	IgG
Reactivity	Human, Mouse
Applications	IHC, WB
Gene Name	G3BP1 G3BP
Protein Name	Ras GTPase-activating protein-binding protein 1 (G3BP-1) (EC 3.6.4.12) (EC 3.6.4.13) (ATP-dependent DNA helicase VIII) (hDH VIII) (GAP SH3 domain-binding protein 1)
Immunogen	Synthesized peptide derived from human G3BP-1 (Phospho Ser149)
Specificity	This antibody detects endogenous levels of G3BP-1 (Phospho Ser149) Rabbit pAb at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit, polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ras GTPase-activating protein-binding protein 1 (G3BP-1) (EC 3.6.4.12) (EC 3.6.4.13) (ATP-dependent DNA helicase VIII) (hDH VIII) (GAP SH3 domain-binding protein 1)
Observed Band	52 60kD
Cell Pathway	Cytoplasm, cytosol . Perikaryon . Cytoplasm, Stress granule . Nucleus . Cytoplasmic in proliferating cells (PubMed:11604510). Cytosolic and partially nuclear in resting cells (PubMed:11604510). Recruited to stress granules in response to arsenite treatment (PubMed:12642610, PubMed:20180778). The unphosphorylated form is recruited to stress granules (PubMed:12642610). HRAS signaling contributes to this process by regulating G3BP dephosphorylation (PubMed:12642610).
Tissue Specificity	Ubiquitous.
Function	cofactor:Magnesium. Required for helicase activity., domain:The NTF2 domain mediates multimerization., function:May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in

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