Mouse anti-Human G3BP1 Monoclonal Antibody | anti-G3BP1 antibody

G3BP1 (Ras GTPase-activating Protein-binding Protein 1, G3BP-1, ATP-dependent DNA Helicase VIII, hDH VIII, GAP SH3 Domain-binding Protein 1, G3BP) (HRP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25400	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

G3BP1; Monoclonal Antibody; G3BP1 (Ras GTPase-activating Protein-binding Protein 1; G3BP-1; ATP-dependent DNA Helicase VIII; hDH VIII; GAP SH3 Domain-binding Protein 1; G3BP) (HRP); anti-G3BP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2F3
Specificity	Recognizes human G3BP.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-G3BP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 1ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa214-303 from G3BP (AAH06997) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPEPVLEETAPEDAQKSSSPAPADIAQTVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPASQPRPESKPESQIPPQRPQRDQRV
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
G3BP monoclonal antibody Western Blot analysis of G3BP expression in A-431

WB (Western Blot)
Western blot analysis of G3BP over-expressed 293 cell line, cotransfected with G3BP Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with G3BP monoclonal antibody GAPDH (36.1kD) used as specificity and loading control.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to G3BP on HeLa cell. [antibody concentration 10ug/ml]

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to G3BP on formalin-fixed paraffin-embedded human lymphoma. [antibody concentration 1ug/ml]

WB (Western Blot)
Western Blot analysis of G3BP expression in transfected 293T cell line by G3BP monoclonal antibody Lane 1: G3BP transfected lysate (52.2kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (35.53kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-G3BP1 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
References	1. Progressive loss of dopaminergic neurons induced by unilateral rotenone infusion into the medial forebrain bundle. Norazit A, Meedeniya AC, Nguyen MN, Mackay-Sim A.Brain Res. 2010 Aug 28.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13937793
NCBI GeneID	10146
Molecular Weight	13,874 Da
NCBI Official Full Name	Homo sapiens GTPase activating protein (SH3 domain) binding protein 1, mRNA
NCBI Official Synonym Full Names	G3BP stress granule assembly factor 1
NCBI Official Symbol	G3BP1
NCBI Official Synonym Symbols	G3BP; HDH-VIII
NCBI Protein Information	ras GTPase-activating protein-binding protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/g3bp1-antibody-clone-2f3-immunohistochemistry-western-blot-elisa/25400