Mouse GBP5 Monoclonal Antibody | anti-GBP5 antibody

GBP5 antibody

CATALOG #	HOST	APPLICATIONS
AAA106193	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

GBP5; Monoclonal Antibody; GBP5 antibody; Monoclonal GBP5; Anti-GBP5; Guanylate binding protein 5; Guanine nucleotide binding protein 5; GBP TA antigen; GBP 5; GBP-5; anti-GBP5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5C9
Purity/Purification	GBP5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	586
Applicable Applications for anti-GBP5 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Like all GBPs, GBP5 has a conserved N-terminal globular GTP-binding domain containing 2 consensus sequences and a third T(L/V)RD sequence not found in other GTPases. Like GBP1 and GBP2, GBP5 has a C-terminal CaaX isoprenylation motif. EST database analysis indicated wide expression of GBP5 in human tissues. Immunofluorescence analysis demonstrated cytoplasmic expression of GBP5. Irrespective of stimulation, GBP5 was constitutively expressed in the Golgi apparatus.
Cross-Reactivity	Human, Monkey
Immunogen	GBP5 antibody was raised in mouse using a full length recombinant protein of human GBP5 (NP_443174) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant GBP5 protein using GBP5 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GBP5 protein (Right) or empty vector (Left) detected with GBP5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GBP5 antibody	Mouse monoclonal GBP5 antibody
Product Categories/Family for anti-GBP5 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418425
NCBI GeneID	115362
NCBI Accession #	NP_443174
NCBI GenBank Nucleotide #	NM_052942.3
UniProt Accession #	Q96PP8; Q86TM5; B2RCE1
Molecular Weight	55,247 Da
NCBI Official Full Name	guanylate-binding protein 5
NCBI Official Synonym Full Names	guanylate binding protein 5
NCBI Official Symbol	GBP5
NCBI Official Synonym Symbols	GBP-5
NCBI Protein Information	guanylate-binding protein 5
UniProt Protein Name	Guanylate-binding protein 5
UniProt Gene Name	**GBP5**
UniProt Synonym Gene Names	GBP-5
UniProt Entry Name	GBP5_HUMAN

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/gbp5-antibody-clone-5c9-western-blot-immunofluorescence-flow-cytometry-elisa/106193