

Mouse anti-Human, Rat PGGT1B Monoclonal Antibody | anti-Pggt1b antibody

PGGT1B (Geranylgeranyl Transferase Type-1 Subunit beta, Geranylgeranyl Transferase Type I Subunit beta, GGTase-I-beta, Type I Protein Geranyl-Geranyltransferase Subunit beta)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14773	Mouse	Human, Rat	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

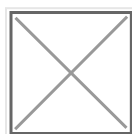
PRODUCT SYNONYMS

PGGT1B; Monoclonal Antibody; PGGT1B (Geranylgeranyl Transferase Type-1 Subunit beta; Geranylgeranyl Transferase Type I Subunit beta; GGTase-I-beta; Type I Protein Geranyl-Geranyltransferase Subunit beta); Anti -PGGT1B (Geranylgeranyl Transferase Type-1 Subunit beta; anti-Pggt1b antibody)

PRODUCT SPECIFICATIONS

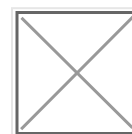
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5E4
Specificity	Recognizes human PGGT1B. Species Crossreactivity: rat.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MVATEDERLA GSGEGERLDF LRDRHVRFFQ RCLQVLPERY SSLETSRLTI AFFALSGLDM LDSLDVVNKD DIIEWISLQ VLPTEDRSNL NRCGFRGSSY LGIPF
Applicable Applications for anti-Pggt1b antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 1.2ug/ml
Immunogen	Partial recombinant corresponding to aa1-106 from human PGGT1B (NP_005014) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



Application Data

Detection limit for recombinant GST tagged PGGT1B is ~1ng/ml as a capture antibody.



IF (Immunofluorescence)

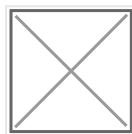
Immunofluorescence of monoclonal antibody to PGGT1B on HeLa cell. [antibody concentration 10ug/ml]

**IHC (Immunohistochemistry)**

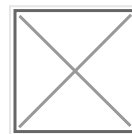
Immunoperoxidase of monoclonal antibody to PGGT1B on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.2ug/ml]

**WB (Western Blot)**

PGGT1B monoclonal antibody Western Blot analysis of PGGT1B expression in PC-12.

**WB (Western Blot)**

PGGT1B monoclonal antibody Western Blot analysis of PGGT1B expression in HeLa.

**WB (Western Blot)**

Western Blot detection against Immunogen (37.29kD).

ADDITIONAL INFORMATION

Related Product Information for anti-Pggt1b antibody	Catalyzes the transfer of a geranyl-geranyl moiety from geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. Acts on the Rac1, Rac2, Rap1A and Rap1B proteins. The beta subunit is responsible for peptide-binding.
Product Categories/Family for anti-Pggt1b antibody	Antibodies ; Abs to Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	116283895
NCBI GeneID	225467
UniProt Accession #	Q8BUY9
Molecular Weight	42,354 Da
NCBI Official Full Name	Pggt1b protein
NCBI Official Synonym Full Names	protein geranylgeranyltransferase type I, beta subunit
NCBI Official Symbol	Pggt1b
NCBI Official Synonym Symbols	BGG1; GGT1; AI451237; AI551093; 2610100E13; 2010207C17Rik
NCBI Protein Information	geranylgeranyl transferase type-1 subunit beta; GGTase-I-beta; geranylgeranyl transferase type I subunit beta; type I protein geranyl-geranyltransferase subunit beta
UniProt Protein Name	Geranylgeranyl transferase type-1 subunit beta
UniProt Gene Name	Pggt1b
UniProt Synonym Gene Names	GGTase-I-beta
UniProt Entry Name	PGTB1_MOUSE

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/pggt1b-antibody-clone-5e4-western-blot-immunohistochemistry-immunofluorescence-elisa/14773>