

PGGT1B Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant PGGT1B.****Catalog # AT3281a****Specification**

PGGT1B Antibody (monoclonal) (M02) - Product Information

Application	IF, WB, IHC, E
Primary Accession	P53609
Other Accession	NM_005023
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	42368

PGGT1B Antibody (monoclonal) (M02) - Additional Information**Gene ID** 5229**Other Names**

Geranylgeranyl transferase type-1 subunit beta, Geranylgeranyl transferase type I subunit beta, GGTase-I-beta, Type I protein geranyl-geranyltransferase subunit beta, PGGT1B

Target/Specificity

PGGT1B (NP_005014, 1 a.a. ~ 105 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PGGT1B Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

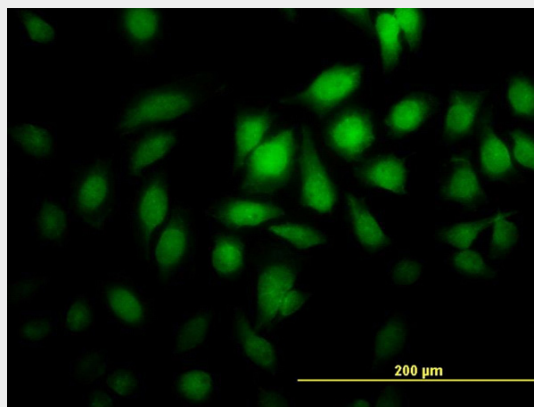
PGGT1B Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

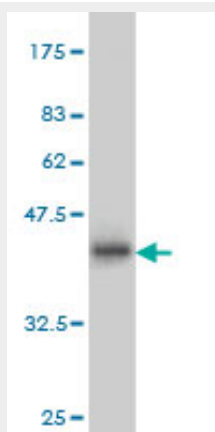
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

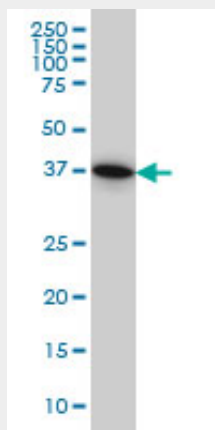
PGGT1B Antibody (monoclonal) (M02) - Images



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

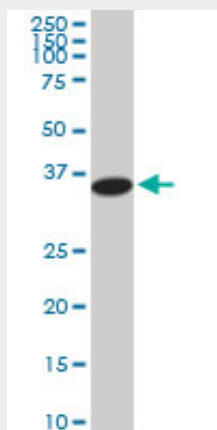


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa) .

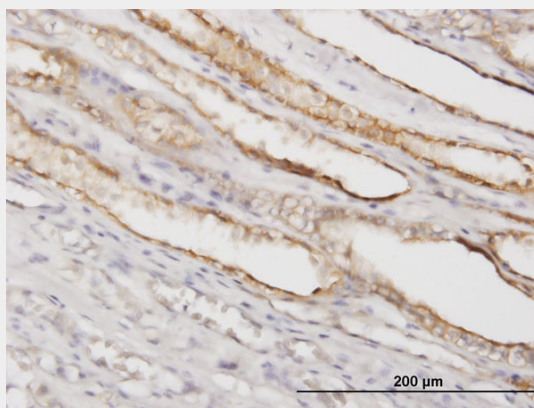


PGGT1B monoclonal antibody (M02), clone 5E4 Western Blot analysis of PGGT1B expression in

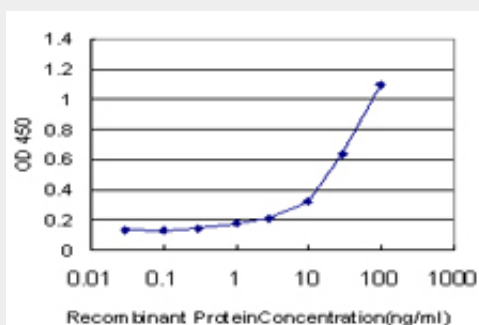
HeLa ((Cat # AT3281a)



PGGT1B monoclonal antibody (M02), clone 5E4. Western Blot analysis of PGGT1B expression in PC-12 ((Cat # AT3281a)



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



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

PGGT1B Antibody (monoclonal) (M02) - Background

Protein geranylgeranyltransferase type I (GGTase-I) transfers a geranylgeranyl group to the cysteine residue of candidate proteins containing a C-terminal CAAX motif in which 'A' is an aliphatic amino acid and 'X' is leucine (summarized by Zhang et al., 1994 [PubMed 8106351]). The enzyme is composed of a 48-kD alpha subunit (FNTA; MIM 134635) and a 43-kD beta subunit, encoded by the PGGT1B gene. The FNTA gene encodes the alpha subunit for both GGTase-I and the related enzyme farnesyltransferase.

PGGT1B Antibody (monoclonal) (M02) - References

1.Genetic studies on the functional relevance of the protein prenyltransferases in skin keratinocytes.Lee R, Chang SY, Trinh H, Tu Y, White AC, Davies BS, Bergo MO, Fong LG, Lowry WE, Young SG.Hum Mol Genet. 2010 Feb 11. [Epub ahead of print]