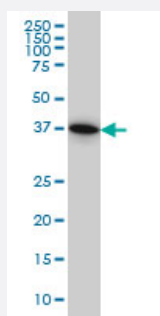


PGGT1B monoclonal antibody (M02), clone 5E4

Catalog # H00005229-M02

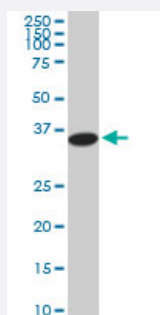
Size 100 ug

Applications



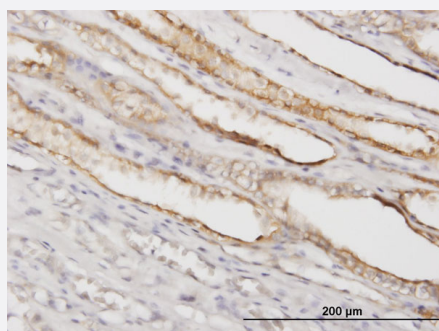
Western Blot (Cell lysate)

PGGT1B monoclonal antibody (M02), clone 5E4 Western Blot analysis of PGGT1B expression in HeLa (Cat # L013V1).



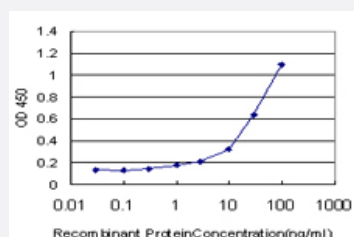
Western Blot (Cell lysate)

PGGT1B monoclonal antibody (M02), clone 5E4. Western Blot analysis of PGGT1B expression in PC-12 (Cat # L012V1).



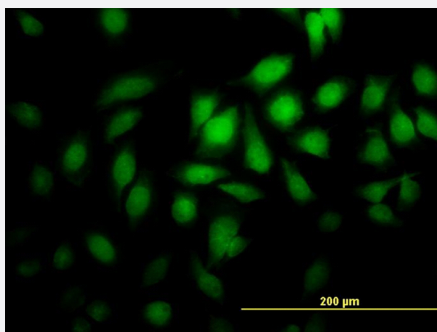
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



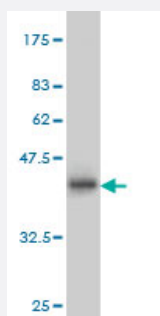
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (37.29 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PGGT1B.
Immunogen	PGGT1B (NP_005014, 1 a.a. ~ 105 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVATEDERLAGSGEGERLDFLRDRHVRFFQRCLQVLPERYSSLETSLTIAFFALSGLDMLDSDLVVNKDDIIEWYSLQVLPTEDRSNLNRGFRGSSYLGIPIF
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (96); Rat (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PGGT1B monoclonal antibody (M02), clone 5E4 Western Blot analysis of PGGT1B expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PGGT1B monoclonal antibody (M02), clone 5E4. Western Blot analysis of PGGT1B expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — PGGT1B

Entrez GeneID	5229
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GeneBank Accession#	NM_005023
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Protein Accession#	NP_005014
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Gene Name	PGGT1B
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Gene Alias	BGGI, GGTI
Gene Description	protein geranylgeranyltransferase type I, beta subunit
Omim ID	602031
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	geranylgeranyltransferase type I beta subunit

Publication Reference

- [GGTase3 is a newly identified geranylgeranyltransferase targeting a ubiquitin ligase.](#)
Kuchay S, Wang H, Marzio A, Jain K, Homer H, Fehrenbacher N, Philips MR, Zheng N, Pagano M.
Nature Structural & Molecular Biology 2019 Jul; 26(7):628.
Application: WB-Tr, Human, HEK 293T, HeLa cells
- [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.
Human Molecular Genetics 2010 Apr; 19(8):1603.
Application: WB-Ce, Mouse, Skin keratinocytes

Disease

- [Multiple Sclerosis](#)