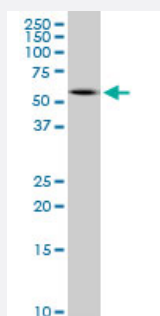


PRPH monoclonal antibody (M02), clone 3B3

Catalog # H00005630-M02

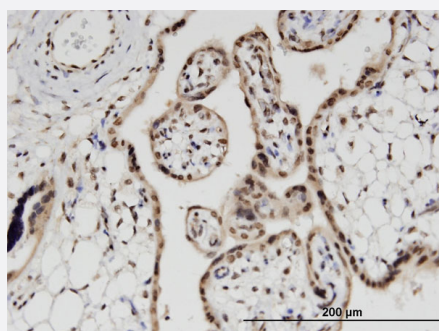
Size 100 ug

Applications



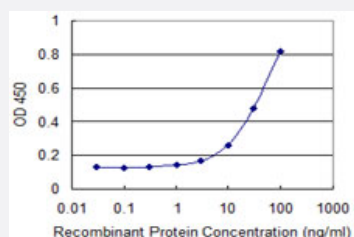
Western Blot (Cell lysate)

PRPH monoclonal antibody (M02), clone 3B3. Western Blot analysis of PRPH expression in IMR-32(Cat # L008V1).



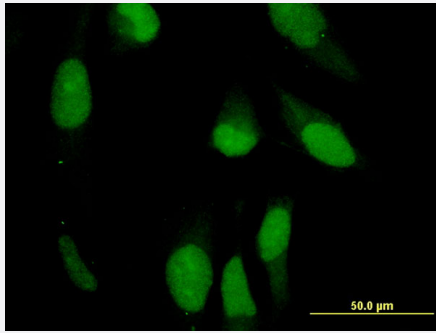
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PRPH on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



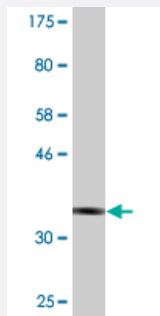
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PRPH.
Immunogen	PRPH (NP_006253, 374 a.a. ~ 470 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RHLREYQELLNVKMALDIEIATYRKLLERGEESRISVPVHSFASLNKTTVPEVEPPQDSHSRKTVLIK TIETRNGEVVTESQKEQRSELDKSSAHSY
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 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)

PRPH monoclonal antibody (M02), clone 3B3. Western Blot analysis of PRPH expression in IMR-32(Cat # L008V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PRPH on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — PRPH

Entrez GeneID	5630
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GeneBank Accession#	NM_006262
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Protein Accession#	NP_006253
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Gene Name	PRPH
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Gene Alias	NEF4, PRPH1
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Gene Description	peripherin
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Omim ID	105400 170710
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Gene Ontology	Hyperlink
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Gene Summary

This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein than the peripherin found in photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq]

Other Designations

neurofilament 4 (57kD)

Publication Reference

- [In vivo survival and differentiation of Friedreich ataxia iPSC-derived sensory neurons transplanted in the adult dorsal root ganglia.](#)

Serena Viventi, Stefano Frausin, Sara E Howden, Shiang Y Lim, Rocio K Finol-Urdaneta, Jeffrey R McArthur, Kwaku Dad Abu-Bonsrah, Wayne Ng, Jason Ivanusic, Lachlan Thompson, Mirella Dottori.

Stem Cells Translational Medicine 2021 Aug; 10(8):1157.

Application: IF, IHC-Fr, Rat, Rat dorsal root ganglia

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)