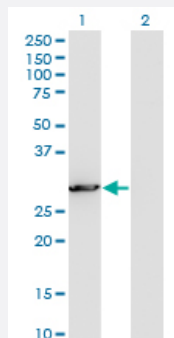


# PCSK1N monoclonal antibody (M02), clone 1E9

Catalog # H00027344-M02

Size 100 ug

## Applications

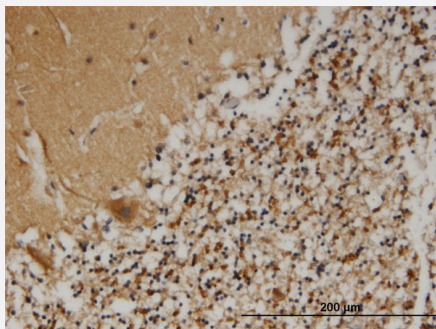


### Western Blot (Transfected lysate)

Western Blot analysis of PCSK1N expression in transfected 293T cell line by PCSK1N monoclonal antibody (M02), clone 1E9.

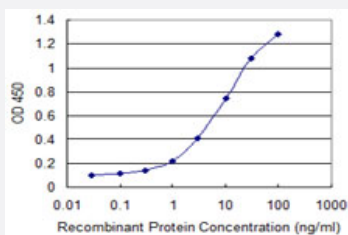
Lane 1: PCSK1N transfected lysate (Predicted MW: 27.4 KDa).

Lane 2: Non-transfected lysate.



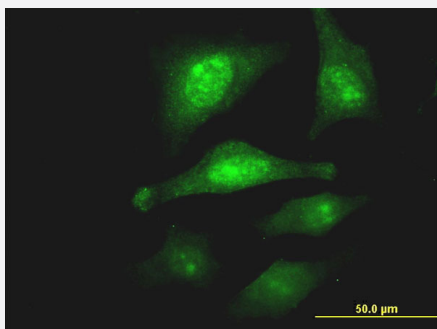
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PCSK1N on formalin-fixed paraffin-embedded human cerebellum. [antibody concentration 3 ug/ml]



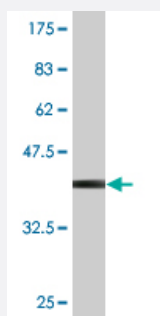
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCSK1N is 0.1 ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to PCSK1N on HeLa cell .  
[antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (35.42 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant PCSK1N.
<b>Immunogen</b>	PCSK1N (NP_037403.1, 173 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	DGPAGPDAAEEAGDETPDVDPPELLRYLLGRILAGSADSEGVAAPRRLRRAADHDVGSELPPEGVL GALLRVKRLETPAPQVPARRLLPP
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (83)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.42 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PCSK1N expression in transfected 293T cell line by PCSK1N monoclonal antibody (M02), clone 1E9.

Lane 1: PCSK1N transfected lysate (Predicted MW: 27.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PCSK1N on formalin-fixed paraffin-embedded human cerebellum. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCSK1N is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PCSK1N on HeLa cell . [antibody concentration 20 ug/ml]

## Gene Info — PCSK1N

Entrez GeneID	<a href="#">27344</a>
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GeneBank Accession#	<a href="#">NM_013271</a>
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Protein Accession#	<a href="#">NP_037403.1</a>
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Gene Name	PCSK1N
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Gene Alias	PROSAAS, SAAS
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Gene Description	proprotein convertase subtilisin/kexin type 1 inhibitor
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Omim ID	<a href="#">300399</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Members of the subtilisin-like proprotein convertase family process latent precursor proteins into their biologically active products. The protein encoded by this gene appears to function as an endogenous inhibitor of proprotein convertase subtilisin/kexin type 1. [provided by RefSeq]
Other Designations	OTTHUMP00000032426 granin-like neuroendocrine peptide

## Publication Reference

- [Pax6 directly down-regulates Pcsk1n expression thereby regulating PC1/3 dependent proinsulin processing.](#)

Liu T, Zhao Y, Tang N, Feng R, Yang X, Lu N, Wen J, Li L.

PLoS One 2012 Oct; 7(10):e46934.

Application: IF, Mouse, MIN6 cells, Pancreatic islets