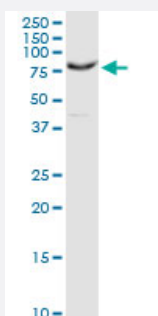


PCSK1 monoclonal antibody (M02), clone 3D2

Catalog # H00005122-M02

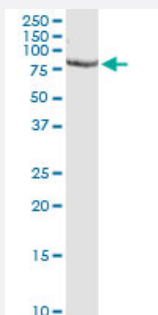
Size 100 ug

Applications



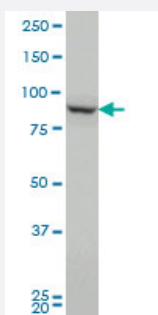
Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 expression in Raw 264.7(Cat # L024V1).



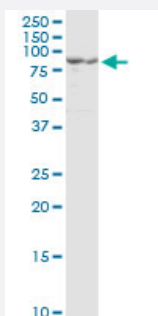
Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 expression in NIH/3T3(Cat # L018V1).



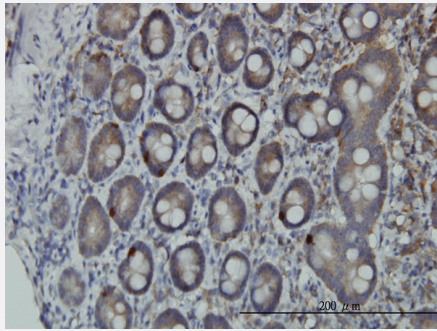
Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2 Western Blot analysis of PCSK1 expression in HeLa (Cat # L013V1).



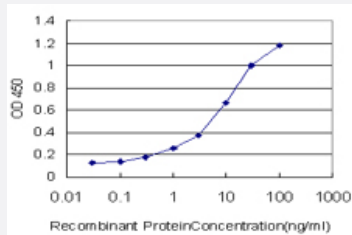
Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 expression in PC-12(Cat # L012V1).



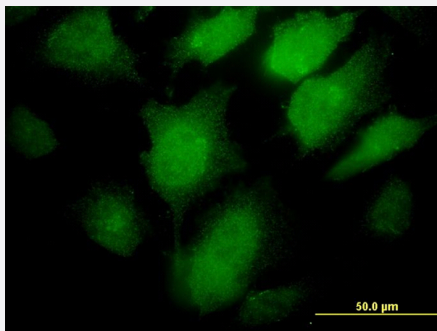
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PCSK1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



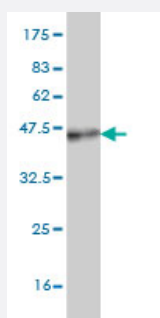
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCSK1 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PCSK1 on HeLa cell. [antibody concentration 30 ug/ml]



Western Blot detection against Immunogen (36.96 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PCSK1.

Immunogen

PCSK1 (NP_000430, 652 a.a. ~ 753 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	GGRRDELEEGAPSEAMLRLLQSAFSKNSPPKQSPKKSPTAKLNIPYENFYEALEKLNKPSQLKD SEDSLYNDYVDVIFYNTKPYKHRDDRLLQALVDILNEEN
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (84)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 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)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 expression in Raw 264.7(Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2 Western Blot analysis of PCSK1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCSK1 monoclonal antibody (M02), clone 3D2. Western Blot analysis of PCSK1 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 PCSK1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCSK1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PCSK1 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — PCSK1

Entrez GeneID [5122](#)

GeneBank Accession# [NM_000439](#)

Protein Accession# [NP_000430](#)

Gene Name PCSK1

Gene Alias BMIQ12, NEC1, PC1, PC3, SPC3

Gene Description proprotein convertase subtilisin/kexin type 1

Omim ID [162150 600955](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a type I proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. It is also known to cleave proopiomelanocortin, prorenin, proenkephalin, prodynorphin, prosomatostatin and progastrin. Mutations in this gene are thought to cause obesity. This encoded protein is associated with carcinoid tumors. The use of alternate polyadenylation sites has been found for this gene. Multiple alternatively spliced transcript variants have been described for this gene but their full length nature is not known. [provided by RefSeq]

Other Designations neuroendocrine convertase 1|prohormone convertase 1|prohormone convertase 3|proprotein convertase 1

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Prediabetic State](#)
- [Puberty](#)

- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)