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PCSK6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PCSK6.
Catalog # AT3240a

Specification

PCSK6 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P29122
Other Accession	NM_002570
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**106420**

PCSK6 Antibody (monoclonal) (M01) - Additional Information

Gene ID 5046

Other Names
Proprotein convertase subtilisin/kexin type 6, 3421-, Paired basic amino acid cleaving enzyme 4, Subtilisin-like proprotein convertase 4, SPC4, Subtilisin/kexin-like protease PACE4, PCSK6, PACE4

Target/Specificity
PCSK6 (NP_002561, 860 a.a. ~ 969 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
PCSK6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PCSK6 Antibody (monoclonal) (M01) - Protocols

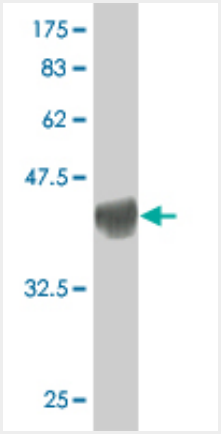
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

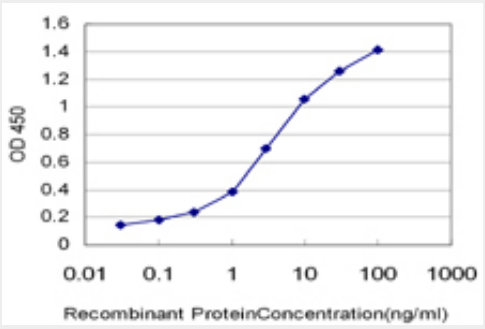
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PCSK6 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged PCSK6 is approximately 0.1ng/ml as a capture antibody.

PCSK6 Antibody (monoclonal) (M01) - Background

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 calcium-dependent serine endoprotease that can cleave precursor protein at their paired basic amino acid processing sites. Some of its substrates are - transforming growth factor beta related proteins, proalbumin, and von Willebrand factor. This gene is thought to play a role in tumor progression. Alternatively spliced transcript variants encoding different isoforms have been identified.

PCSK6 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID

19913121.Subtilisin-like proprotein convertase expression, localization, and activity in the human retina and optic nerve head. Fuller JA, et al. Invest Ophthalmol Vis Sci, 2009 Dec. PMID 19339735.Cripto recruits Furin and PACE4 and controls Nodal trafficking during proteolytic maturation. Blanchet MH, et al. EMBO J, 2008 Oct 8. PMID 18772886.