



PCSK9 mouse mAb

Catalog No	BYmab-12479
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PCSK9 NARC1 PSEC0052
Protein Name	PCSK9
Immunogen	Synthesized peptide derived from human PCSK9
Specificity	This antibody detects endogenous levels of Human PCSK9
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Proprotein convertase subtilisin/kexin type 9 (EC 3.4.21.-;Neural apoptosis-regulated convertase 1;NARC-1;Proprotein convertase 9;PC9;Subtilisin/kexin-like protease PC9)
Observed Band	76kD
Cell Pathway	Cytoplasm. Secreted. Endosome. Lysosome. Cell surface. Endoplasmic reticulum. Golgi apparatus. Autocatalytic cleavage is required to transport it from the endoplasmic reticulum to the Golgi apparatus and for the secretion of the mature protein. Localizes to the endoplasmic reticulum in the absence of LDLR and colocalizes to the cell surface and to the endosomes/lysosomes in the presence of LDLR. The sorting to the cell surface and endosomes is required in order to fully promote LDLR degradation.
Tissue Specificity	Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.
Function	urogenital system development, kidney development, liver development, regulation of receptor recycling, negative regulation of receptor recycling, regulation of receptor internalization, positive regulation of receptor internalization,proteolysis, neutral lipid metabolic process, acylglycerol metabolic

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process, triglyceride metabolic process, phospholipid metabolic process, glycerol ether metabolic process, induction of apoptosis, vacuolar transport, lysosomal transport, steroid metabolic process, cholesterol metabolic process, macromolecule catabolic process, cellular response to starvation, response to endogenous stimulus, response to hormone stimulus, regulation of catabolic process, response to extracellular stimulus, response to organic substance, regulation of receptor activity, positive regulation of macromolecule metabolic process, negative regulation of macromolecule metabolic process

Background

cofactor:Calcium.,disease:Defects in PCSK9 are the cause of familial hypercholesterolemia 3 (FH3) [MIM:603776]. FH3 inheritance is autosomal dominant.,enzyme regulation:Inhibited by EGTA.,function:May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.,PTM:The soluble zymogen undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted enzyme.,similarity:Belongs to the peptidase S8 family.,similarity:Contains 1 peptidase S8 domain.,subunit:The precursor protein but not the mature protein may form multimers.,tissue specificity:Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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