PCSK9 Rabbit pAb

CatalogNo: YT7913

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB,IHC

MW
- 76kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human PCSK9
Specificity	This antibody detects endogenous levels of Human PCSK9

Target Information

Gene name	PCSK9 NARC1 PSEC0052

Protein Name PCSK9

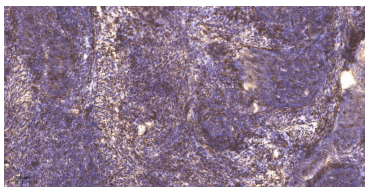
Organism	Gene ID	UniProt ID
Human	255738;	Q8NBP7;
Mouse	100102;	Q80W65;
Rat	298296;	P59996;

Cellular Localization 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.

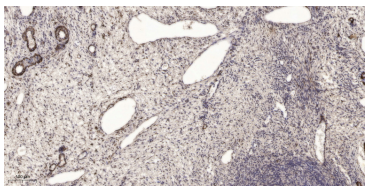
Tissue specificity Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.

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 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, regulation of cell death,positive regulation of cell death, regulation of lipoprotein particle clearance, negative regulation of lipoprotein particle clearance, regulation of low-density lipoprotein particle clearance, negative regulation of low-density lipoprotein particle clearance, induction of programmed cell death, sterol metabolic process, protein processing, protein autoprocessing, organic ether metabolic process, organophosphate metabolic process, regulation of endocytosis,protein catabolic process, neuron differentiation, regulation of cellular catabolic process, response to nutrient levels,cellular response to extracellular stimulus, cellular response to nutrient levels, regulation of cellular protein metabolic process, low-density lipoprotein receptor metabolic process, receptor catabolic process, low-density lipoprotein receptor catabolic process, regulation of low-density lipoprotein receptor catabolic process, response to insulin stimulus, cellular response to insulin stimulus, cellular response to hormone stimulus, cellular response to stress,lipoprotein metabolic process, regulation of protein catabolic process, homeostatic process, response to starvation,cholesterol homeostasis, regulation of apoptosis, positive regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, negative regulation of catalytic activity, receptor metabolic process, response to peptide hormone stimulus, regulation of neuron apoptosis, positive regulation of neuron apoptosis, negative regulation of molecular function, cellular protein catabolic process, cellular macromolecule catabolic process, positive regulation of endocytosis, glycerolipid metabolic process, intracellular transport, regulation of receptor-mediated endocytosis, positive regulation of receptor-mediated endocytosis, chemical homeostasis, positive regulation of transport, positive regulation of cellular component organization, negative regulation of multicellular organismal process, protein maturation, protein maturation by peptide bond cleavage, lipid homeostasis, sterol homeostasis, regulation of vesicle-mediated transport,

Validation Data



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
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