

**Proprotein Convertase 9(PCSK9) polyclonal antibody**

Catalog: BS71876

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes a member of the subtilisin-like pro-protein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

80KDa

Swiss-Prot:

Q8NBP7

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB,1:500 - 1:2000|IF/ICC,1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Category:

Polyclonal Antibodies

DATA:

Western blot analysis of extracts of various cell lines, using Proprotein Convertase 9 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit .
Exposure time: 180s.

Western blot analysis of extracts of Mouse liver, using Proprotein Convertase 9 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit .
Exposure time: 30s.

Immunofluorescence analysis of HepG2 cells using Proprotein Convertase 9 Rabbit pAb at dilution of 1:250 . Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using Proprotein Convertase 9 Rabbit pAb at dilution of 1:250 . Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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