

PCSK1 Polyclonal antibody

Catalog Number: 28219-1-AP

Basic Information

Catalog Number:

28219-1-AP

Size:

680 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28203

GenBank Accession Number:

BC130295

GeneID (NCBI):

5122

UNIPROT ID:

P29120

Full Name:

proprotein convertase
subtilisin/kexin type 1

Calculated MW:

753 aa, 84 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : BxPC-3 cells, HeLa cells

IHC : human pancreas tissue, mouse pancreas tissue,
mouse brain tissue

Background Information

PC1/3, encoded by the gene PCSK1, is synthesized in the endoplasmic reticulum (ER) as an inactive 94 kDa zymogen, where it is rapidly cleaved into a partially active 87-kDa precursor. When this protein reaches the secretory granules, the maturation process continues to generate a 74 kDa species and ends with further cleavage to a fully active, although enzymatically unstable, 66 kDa protein.

Storage

Storage:

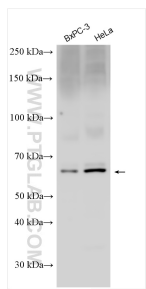
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

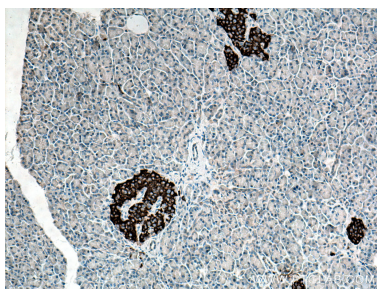
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

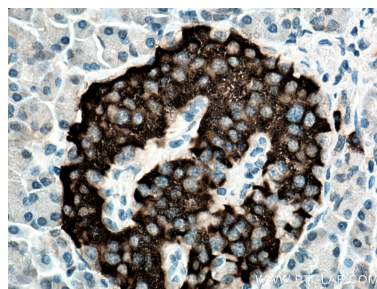
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28219-1-AP (PCSK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 28219-1-AP (PCSK1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 28219-1-AP (PCSK1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).