

For Research Use Only

PRSS27 Polyclonal antibody

Catalog Number: 19515-1-AP



Basic Information

Catalog Number:

19515-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_031948

GeneID (NCBI):

83886

UNIPROT ID:

Q9BQR3

Full Name:

protease, serine 27

Calculated MW:

32 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Species Specificity:

human, mouse

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 : SW 990 cells,

IP : SW 990 cells,

IHC : human pancreas tissue, human oesophagus cancer tissue, mouse pancreas tissue

Background Information

PRSS27, also named as CAPH2, MPN, belongs to the peptidase S1 family. The trypsin-like serine protease marapsin (Prss27) is a member of the large protease gene cluster at human chromosome 16p13.3. The Prss27 gene is expressed by a variety of human, mouse, and opossum tissues. In humans and mice, it is especially abundant in stratified squamous epithelia of cornea, larynx, esophagus, and cervix and is induced in wounded and psoriatic skin (PMID: 23447538). Prss27 expression was restricted to tissues containing stratified squamous epithelia and was absent or only weakly expressed in all other tissues, including the pancreas.

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

***** 20ul sizes contain 0.1% BSA**

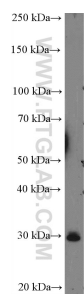
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

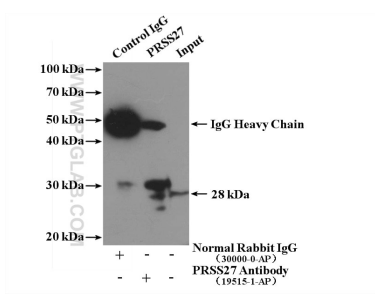
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

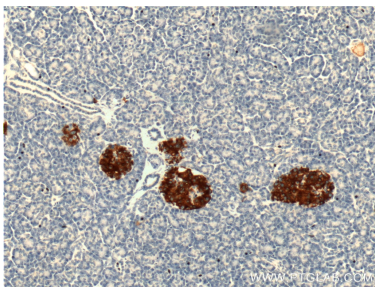
Selected Validation Data



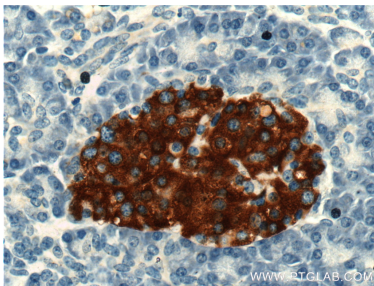
SW 1990 cells were subjected to SDS PAGE followed by western blot with 19515-1-AP (PRSS27 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-PRSS27 (IP:19515-1-AP, 4ug; Detection:19515-1-AP 1:300) with SW 1990 cells lysate 2960ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 19515-1-AP (PRSS27 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 19515-1-AP (PRSS27 Antibody) at dilution of 1:200 (under 40x lens).