

For Research Use Only

PCSK4 Polyclonal antibody

Catalog Number: 15106-1-AP



Basic Information

Catalog Number:

15106-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4007

GenBank Accession Number:

BC036354

GeneID (NCBI):

54760

UNIPROT ID:

Q6UW60

Full Name:

proprotein convertase
subtilisin/kexin type 4

Calculated MW:

83 kDa

Observed MW:

54 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

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: human testis tissue, human placenta tissue

IHC: human placenta tissue, human testis tissue

Background Information

Proprotein convertase subtilysin/Kexin Type4 (PCSK4) is a protein convertase enzymes in spermatozoa acrosome membrane, it has an important role in the acrosome reaction through endoproteolytic process that converts the precursor proteins into bioactive protein as a necessary substance to penetrate on the zona pellucida (PMID: 16040806). The molecular mass of pro-PCSK4 is 72kDa, and mature PCSK4 is 54 kDa (PMID: 16040806, 19109312).

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

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

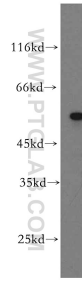
T: 4006900926

E: Proteintech-CN@ptglab.com

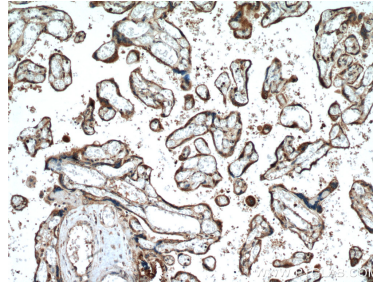
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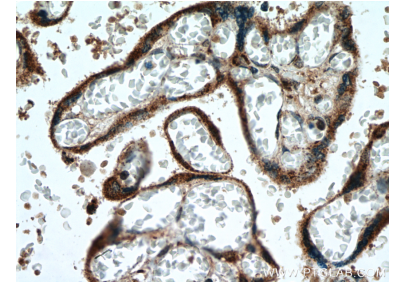
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 15106-1-AP (PCSK4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15106-1-AP (PCSK4 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 placenta tissue slide using 15106-1-AP (PCSK4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).