

For Research Use Only

PCSK4 Polyclonal antibody

Catalog Number: 15106-1-AP



Basic Information

Catalog Number: 15106-1-AP	GenBank Accession Number: BC036354	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54760	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	Full Name: proprotein convertase subtilisin/kexin type 4	
Isotype: IgG	Calculated MW: 83 kDa	
Immunogen Catalog Number: AG4007	Observed MW: 54 kDa	

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

*** 20ul sizes contain 0.1% BSA

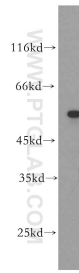
For technical support and original validation data for this product please contact:

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

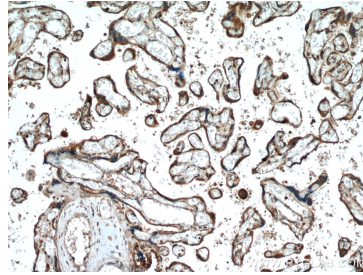
E: proteintech@ptglab.com
W: ptglab.com

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

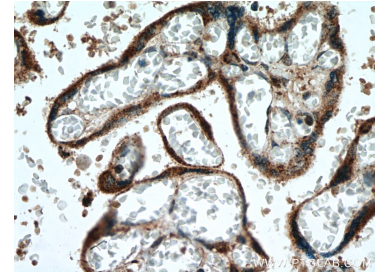
Selected Validation Data



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).