Basic Information

Catalog Number: 11303-1-AP

Size: 150μl, Concentration: 450μg/ml by Nanodrop;

Source: Rabbit

Isotype: IgG

Immunogen Catalog Number: AG1830

GenBank Accession Number: BC015663

GeneID (NCBI): 5270

Full Name: serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2

Calculated MW: 44 kDa
Observed MW: 44-50 kDa

Purification Method: Antigen affinity purification

Recommended Dilutions:

- WB: 1:500-1:1000
- IP: 0.5-4.0 μg for IP and 1:200-1:1000 for WB
- IHC: 1:20-1:200
- IF: 1:20-1:500

Applications

Tested Applications: IF, IHC, IP, WB, ELISA

Cited Applications: IF, IHC, IP, WB

Species Specificity: human, mouse, rat

Cited Species: 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

Background Information

SERPINE2 also called protease nexin-1 or glial-derived neurite promoting factor, is a member of the serine protease inhibitor (SERPIN) superfamily. It would be a potent inhibitor of the urokinase-plasminogen activator (uPA), tissue-type PA (tPA), thrombin, trypsin, factor Xia, and prostasin. SERPINE2 is widely expressed in various tissues, including endothelial cells, fibroblasts, smooth muscle cells, tumor cells, glial cells, neurons, and placental cells.

Notable Publications

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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

*** 20μl 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) | E: proteintech@ptglab.com
in USA, or 1(312) 455-8498 (outside USA) | W: ptglab.com

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Selected Validation Data

C6 cells were subjected to SDS PAGE followed by western blot with 11303-1-AP (SERPINE2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human testis slide using 11303-1-AP (SERPINE2 Antibody) at dilution of 1:50.

IP Result of anti-SERPINE2 (IP:11303-1-AP, 3ug; Detection:11303-1-AP 1:300) with A549 cells lysate 2800ug.

Immunofluorescent analysis of (4% PFA) fixed human testis tissue using SERPINE2 antibody (11303-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed human testis tissue using SERPINE2 antibody (11303-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).