

For Research Use Only

SERPINE2 Recombinant antibody

Catalog Number: 82732-5-RR



Basic Information

Catalog Number:

82732-5-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1830

GenBank Accession Number:

BC015663

GeneID (NCBI):

5270

UNIPROT ID:

P07093

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:

Protein A purification

CloneNo.:

5016

Recommended Dilutions:

WB: 1:2000-1:10000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : U-87 MG cells, C6 cells, U-251 cells, mouse brain tissue, rat brain tissue

FC (Intra) : A549 cells,

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 X_{II}a, and prostasin. SERPINE2 is widely expressed in various tissues, including endothelial cells, fibroblasts, smooth muscle cells, tumor cells, glial cells, neurons, and placental cells.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

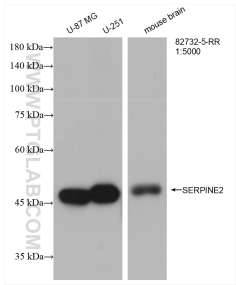
For technical support and original validation data for this product please contact:

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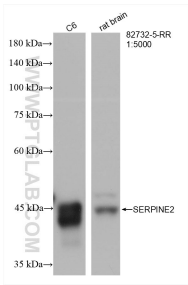
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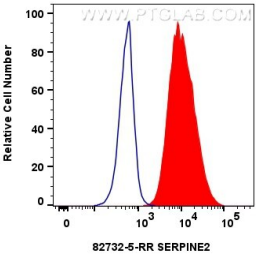
Selected Validation Data



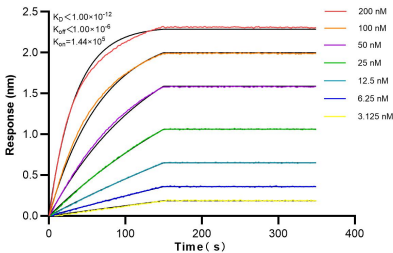
Various lysates were subjected to SDS PAGE followed by western blot with 82732-5-RR (SERPINE2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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1x10⁶ A549 cells were intracellularly stained with 0.25 ug SERPINE2 Recombinant antibody (82732-5-RR, Clone:5O16) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82732-5-RR against Human SERPINE2 were performed. The affinity constant is below 1 pM.