

For Research Use Only

Serpin F1/PEDF Recombinant antibody, PBS Only

Catalog Number: 84685-3-PBS



Basic Information

Catalog Number:

84685-3-PBS

Size:

100ug , Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002615.7

GeneID (NCBI):

5176

UNIPROT ID:

P36955

Full Name:

serpin peptidase inhibitor, clade F
(alpha-2 antiplasmin, pigment
epithelium derived factor), member 1

Calculated MW:

46kDa

Observed MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

242127F9

Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse

Background Information

PEDF also known as serpin F1 (SERPINF1), is a multifunctional secreted protein that has anti-angiogenic, anti-tumorigenic, and neurotrophic functions. It is an approximately 50-kDa secreted protein that is widely expressed, including by osteoblasts and osteoclasts. PEDF is also one of the most abundant secretory products of adipocytes, and circulating concentrations of PEDF correlate positively with body fat mass and INS resistance. PEDF is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

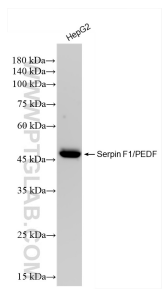
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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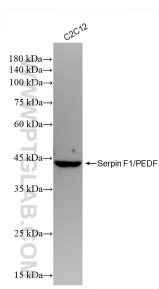
E: proteintech@ptglab.com
W: ptglab.com

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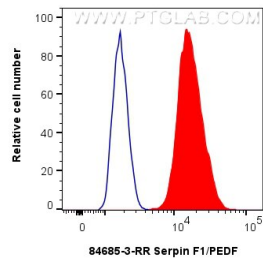
Selected Validation Data



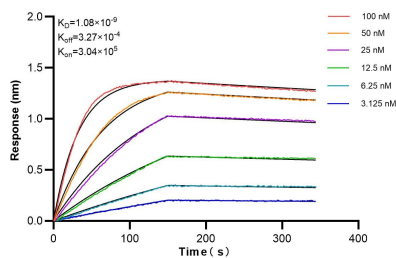
HepG2 cells were subjected to SDS PAGE followed by western blot with 84685-3-RR (Serpin F1/PEDF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84685-3-PBS in a different storage buffer formulation.



C2C12 cells were subjected to SDS PAGE followed by western blot with 84685-3-RR (Serpin F1/PEDF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84685-3-PBS in a different storage buffer formulation.



1x10⁶ HEK-293 cells were intracellularly stained with 0.25 ug Serpin F1/PEDF Recombinant antibody (84685-3-RR, Clone:242127F9) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone



Biolayer interferometry (BLI) kinetic assays of 84685-3-RR against Human Serpin F1/PEDF were performed. The affinity constant is 1.08 nM.