

For Research Use Only

SPINT2/HAI-2 Recombinant monoclonal antibody

Catalog Number: 85684-6-RR

Featured Product



Basic Information

Catalog Number: 85684-6-RR	GenBank Accession Number: NM_021102.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10653	CloneNo.: 243094E5
Isotype: IgG	UNIPROT ID: O43291-1	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG3130	Full Name: serine peptidase inhibitor, Kunitz type, 2	
	Calculated MW: 28 kDa	
	Observed MW: 28-34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, Caco-2 cells, PC-3 cells
Species Specificity: human	

Background Information

Serine peptidase inhibitor Kunitz type 2 (SPINT2) is a serine protease inhibitor Kunitz type 2, also known as hepatocyte growth factor (HGF) activator (HGFA) inhibitor type 2 (HAI-2). It displays inhibitory activity in membrane serine proteases, such as matriptase and hepsin, as well as secreted proteases such as HGFA and plasmin (PMID: 9771903, PMID: 15792801). SPINT2 is a tumor suppressor gene that inhibits proteases implicated in cancer progression, like HGFA, hepsin and matriptase (PMID: 30168196). SPINT2 regulates cell proliferation, migration and invasion via a reduction in HGFA, leading to apoptosis and necrosis of uterine leiomyosarcoma cells (PMID: 20664929). This target may exhibit a molecular weight of approximately 28-34 kDa due to glycosylation modification.

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

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

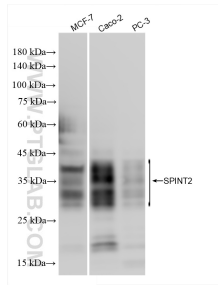
T: 4006900926

E: Proteintech-CN@ptglab.com

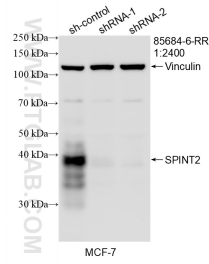
W: ptgcn.com

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

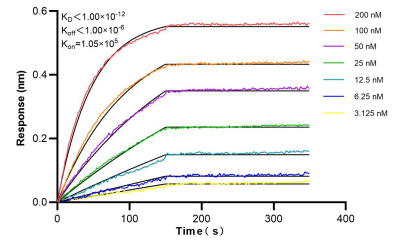
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85684-6-RR (SPINT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of SPINT2/HAI-2 antibody (85684-6-RR; 1:2400; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPINT2/HAI-2 transfected MCF-7 cells.



Biolayer interferometry (BLI) kinetic assays of 85684-6-RR against Human SPINT2/HAI-2 were performed. The affinity constant is below 1 pM.