

For Research Use Only

# SPINT2/HAI-2 Recombinant monoclonal antibody

Catalog Number: 85684-6-RR

Featured Product



## Basic Information

<b>Catalog Number:</b> 85684-6-RR	<b>GenBank Accession Number:</b> NM_021102.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10653	<b>CloneNo.:</b> 243094E5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43291-1	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> serine peptidase inhibitor, Kunitz type, 2	
<b>Immunogen Catalog Number:</b> EG3130	<b>Calculated MW:</b> 28 kDa	
	<b>Observed MW:</b> 28-34 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, Caco-2 cells, PC-3 cells
<b>Species Specificity:</b> 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

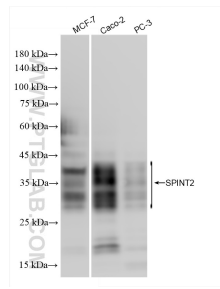
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

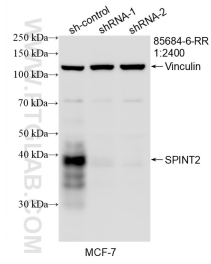
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

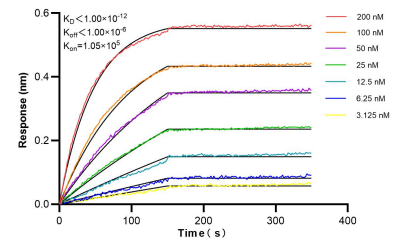
## Selected Validation Data



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.