

For Research Use Only

# SPINT2/HAI-2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85684-6-PBS

Featured Product



## Basic Information

Catalog Number:

85684-6-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3130

GenBank Accession Number:

NM\_021102.3

GeneID (NCBI):

10653

UNIPROT ID:

O43291-1

Full Name:

serine peptidase inhibitor, Kunitz type, 2

Calculated MW:

28 kDa

Observed MW:

28-34 kDa

Purification Method:

Protein A purification

CloneNo.:

243094E5

## Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

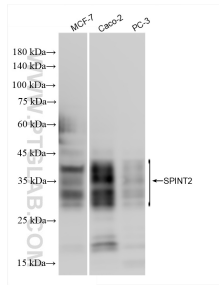
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

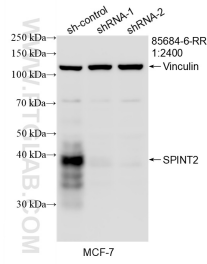
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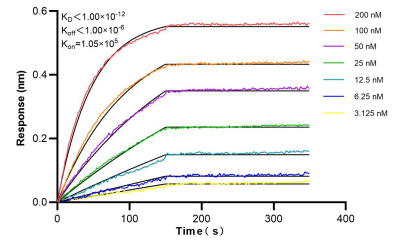
## Selected Validation Data



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. This data was developed using the same antibody clone with 85684-6-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85684-6-PBS in a different storage buffer formulation.



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