

For Research Use Only

SPINT1/HAI-1 Recombinant antibody

Catalog Number: 86138-1-RR



Basic Information

Catalog Number: 86138-1-RR	GenBank Accession Number: NM_181642.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6692	CloneNo.: 250560F1
Source: Rabbit	UNIPROT ID: O43278-1	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: serine peptidase inhibitor, Kunitz type 1	
Immunogen Catalog Number: EG3131	Calculated MW: 58 kDa	
	Observed MW: 58-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : T-47D cells, MCF-7 cells, mouse small intestine tissue, mouse colon tissue, Daudi cells, human placenta
Species Specificity: human, mouse	

Background Information

Hepatocyte growth factor activator inhibitor type 1 (HAI-1) is also named as SPINT1 and Kunitz-type protease inhibitor 1. HAI-1 is critical to control matriptase proteolytic activity (PMID: 25310042). HAI-1 inhibits matriptase activity through forming complex with activated matriptase (PMID: 30370662). matriptase, HAI-1 also binds to and inhibits a variety of serine proteases including of hepsin, plasmin, prostasin, TMPRSS13 and HAT. HAI-1 as a cell-autonomous tumor suppressor that negatively regulates the HGF pathway (PMID: 25925948). HAI-1 is inhibitor of HGFAC (PMID: 9045658). HAI-1 inhibits serine protease activity of ST14/matriptase in vitro (PMID: 28710277). HAI-1 inhibits serine protease activity of TMPRSS13, via the BPTI/Kunitz inhibitor 1 domain (PMID: 20977675). HAI-1 expression is reduced in many cancer types, which is implicated in the progression of cancer and is associated with a worse prognosis in cancer patients (PMID: 30370662).

Storage

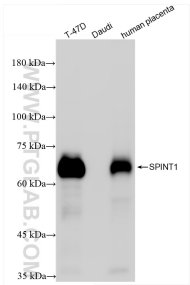
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

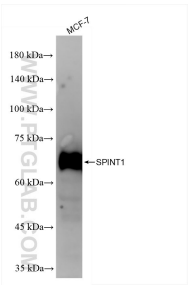
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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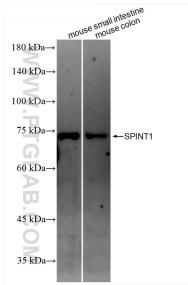
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86138-1-RR (SPINT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 86138-1-RR (SPINT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86138-1-RR (SPINT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.