

For Research Use Only

SPINT1/HAI-1 Recombinant antibody, PBS Only

Catalog Number: 86138-1-PBS



Basic Information

Catalog Number: 86138-1-PBS	GenBank Accession Number: NM_181642.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6692	CloneNo.: 250560F1
Source: Rabbit	UNIPROT ID: O43278-1	
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, Indirect ELISA

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

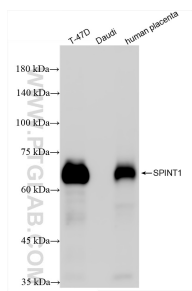
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

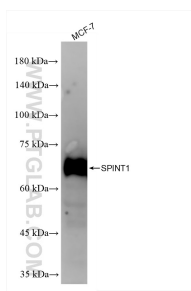
For technical support and original validation data for this product please contact:
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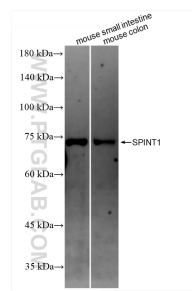
Selected Validation Data



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. This data was developed using the same antibody clone with 86138-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86138-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86138-1-PBS in a different storage buffer formulation.