



Anti-SPINT1 polyclonal antibody [Biotin] (DPABY-637)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	HAI-1 is a Kunitz-type serine protease inhibitor, identified as a strong inhibitor of HGF activator (HGFA) and matriptase. The membrane-anchored HAI-1 consists of two Kunitz domains, a LDL-receptor-like domain, and a C-terminal transmembrane domain. Two soluble forms are generated by ectodomain shedding, one with a single Kunitz domain and the other with two Kunitz domains. HAI-1 is not only an inhibitor but also a specific receptor of active HGFA, acting as a reservoir of this enzyme on the cell surface.
Specificity	Detects mouse HAI-1 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human (rh)Siglec-7 and rhSiglec-9 is observed and less than 5% cross-reactivity with rhSiglec-2 and rhSiglec-3 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse HAI-1
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Immunohistochemistry, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Spint1 serine protease inhibitor, Kunitz type 1 [Mus musculus (house mouse)]
Official Symbol	SPINT1
Synonyms	SPINT1; serine protease inhibitor, Kunitz type 1; HAI-1; kunitz-type protease inhibitor 1; hepatocyte growth factor activator inhibitor type 1;
Entrez Gene ID	20732
Protein Refseq	NP_058603
UniProt ID	Q9R097
Chromosome Location	2 E5; 2
Pathway	Transcriptional misregulation in cancer;
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;