



Anti-SPINT2 polyclonal antibody [Biotin] (DPABY-517)

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

PRODUCT INFORMATION

Antigen Description	Two alternatively spliced forms of HAI-2 are found in human tissues. HAI-2A, the full-length molecule and also known as placental bikunin, is a major form expressed in human tissues. HAI-2A consists of two Kunitz domains, and a C-terminal transmembrane domain. Both Kunitz domains can function as inhibitors independent of each other. In addition to HGF activator and trypsin, HAI-2A strongly inhibits plasmin, tissue and plasma kallikreins, and factor XIa. Three alternatively spliced forms of HAI-2 have been found in mouse tissues. HAI-2A is a minor form expressed in mouse tissues. HAI-2B, with residues 37 through 93 spliced out and thus lack of the first Kunitz domain, is a major form in mouse tissues. HAI-2B is an effective inhibitor of both HGF activator and trypsin.
Specificity	Detects human HAI-2 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant mouse HAI-2B and recombinant human HAI-1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HAI-2A . Ala28-Lys197 Accession Number O43291
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	SPINT2 serine peptidase inhibitor, Kunitz type, 2 [Homo sapiens (human)]
Official Symbol	SPINT2
Synonyms	SPINT2; serine peptidase inhibitor, Kunitz type, 2; PB; Kop; HAI2; DIAR3; HAI-2; kunitz-type protease inhibitor 2; placental bikunin; serine protease inhibitor, Kunitz type, 2; hepatocyte growth factor activator inhibitor type 2;
Entrez Gene ID	10653
Protein Refseq	NP_001159575
UniProt ID	O43291
Chromosome Location	19q13.1
Function	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;