



Anti-SPINT2 monoclonal antibody, clone 280029 (DCABY-4147)

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 recombinant human (rh)HAI-2 in direct ELISAs and Western blots. In these formats, does not cross-react with rhHAI-1 or rmHAI-2B.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HAI-2. aa 28-197 Accession Number O43291
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	280029
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)

Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

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;