SPINT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPINT2, Polyclonal Antibody
Full Product Name	SPINT2 Antibody
Product Gene Name	anti-SPINT2 antibody
Product Synonym Names	AL024025; Bikunin, placental; C76321; DIAR3; FLJ45571; HAI-2; HAI2; Hepatocyte growth factor activator inhibitor type 2; Kop; Kunitz type protease inhibitor 2; Kunitz-type protease inhibitor 2; Kunitz-type serine protease inhibitor; MGC72638; PB; Placental bikunin; Serine peptidase inhibitor Kunitz type 2; Serine protease inhibitor, Kunitz type, 2; SPINT2; SPIT2_HUMAN
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	SPINT2 Antibody detects endogenous levels of SPINT2.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	SPINT2 peptide (MBS9633190) is used for blocking the activity of SPINT2 antibody (MBS9630807)
Molecular Weight	21,828 Da
OMIM	270420
3D Structure	ModBase 3D Structure for O43291
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human SPINT2.
Conjugation	Unconjugated
Similarity	This inhibitor contains two inhibitory domains.
Tissue Specificity	Expressed in placenta, kidney, pancreas, prostate, testis, thymus, and trachea.
Function	Inhibitor of HGF activator. Also inhibits plasmin, plasma and tissue kallikrein, and factor XIa.
Product Categories/Family for anti-SPINT2 antibody	Membrane; Single-pass type I membrane protein; Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SPINT2 antibody	ELISA (EIA)(peptide)
Application Notes for anti-SPINT2 antibody	ELISA(peptide): 1:20000-1:40000

Related Product Information for anti-SPINT2 antibody	MBS9630807 is an antibody targeting SPINT2. Also known as SPINT2 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SPINT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPINT2. It may not necessarily be applicable to this product.

NCBI GI #	260656008
NCBI GeneID	10653
NCBI Accession #	NP_001159575.1
UniProt Primary Accession #	O43291
UniProt Secondary Accession #	O00271; O14895; Q5TZQ3; Q969E0; A8K667; B4DLU1
UniProt Related Accession #	O43291
GenBank Nucleotide #	NM_001166103.1
NCBI Official Full Name	kunitz-type protease inhibitor 2 isoform b
NCBI Official Synonym Full Names	serine peptidase inhibitor, Kunitz type, 2
NCBI Official Symbol	SPINT2
NCBI Official Synonym Symbols	PB; Kop; HAI2; DIAR3; HAI-2
UniProt Protein Name	Kunitz-type protease inhibitor 2
UniProt Synonym Protein Names	Hepatocyte growth factor activator inhibitor type 2; HAI-2; Placental bikunin
Protein Family	Kunitz-type protease inhibitor
UniProt Gene Name	SPINT2
UniProt Synonym Gene Names	HAI2; KOP; HAI-2
UniProt Entry Name	SPIT2_HUMAN
NCBI Protein Information	kunitz-type protease inhibitor 2
UniProt Comments for SPINT2	SPINT2: Inhibitor of HGF activator. Also inhibits plasmin, plasma and tissue kallikrein, and factor XIa. Defects in SPINT2 are the cause of diarrhea type 3 (DIAR3); also known as congenital sodium diarrhea (CSD). DIAR3 is a rare, inherited diarrhea of infancy. A diagnosis of DIAR3 is made on the findings of a life-threatening secretory diarrhea, severe metabolic acidosis, and hyponatremia secondary to extraordinarily high fecal losses of sodium, with low or normal excretion of urinary sodium, in the absence of infectious, autoimmune, and endocrine causes. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Inhibitor; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: cytoplasm; extracellular region Molecular Function: endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity Biological Process: cell motility; negative regulation of cell-cell adhesion Disease: Diarrhea 3, Secretory Sodium, Congenital, With Or Without Other Congenital Anomalies

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