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SPINT2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19268b

Specification

SPINT2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O43291

SPINT2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10653

Other Names
Kunitz-type protease inhibitor 2, Hepatocyte growth factor activator inhibitor type 2, HAI-2, Placental bikunin, SPINT2, HAI2, KOP

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPINT2 Antibody (C-term) Blocking Peptide - Protein Information

Name SPINT2

Synonyms HAI2, KOP

Function
Inhibitor of HGFAC (PubMed:9346890). Also inhibits plasmin, and plasma and tissue kallikrein (PubMed:9115294). Inhibits serine protease activity of TMPRSS13 (PubMed:20977675, PubMed:28710277). Inhibits serine protease activity of ST14/matriptase in vitro (PubMed:28710277).

Cellular Location
Cell membrane; Single-pass type I membrane protein. Cytoplasm

Tissue Location
Expressed in placenta, kidney, pancreas, prostate, testis, thymus, and trachea.

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SPINT2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SPINT2 Antibody (C-term) Blocking Peptide - Images

SPINT2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a transmembrane protein with twoextracellular Kunitz domains that inhibits a variety of serineproteases. The protein inhibits HGF activator which prevents theformation of active hepatocyte growth factor. This gene is aputative tumor suppressor, and mutations in this gene result incongenital sodium diarrhea. Multiple transcript variants encodingdifferent isoforms have been found for this gene. [provided byRefSeq].

SPINT2 Antibody (C-term) Blocking Peptide - References

Dong, W., et al. Int. J. Cancer 127(7):1526-1534(2010)Bergum, C., et al. Prostate 70(13):1422-1428(2010)Sivagnanam, M., et al. Clin. Dysmorphol. 19 (1), 48 (2010) :Yamauchi, M., et al. Biol. Chem. 383(12):1953-1957(2002)Itoh, H., et al. Eur. J. Biochem. 267(11):3351-3359(2000)