SERPINI2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	SERPINI2, Blocking Peptide
Full Product Name	SERPINI2 Antibody (C-term) Blocking Peptide
Product Gene Name	SERPINI2 blocking peptide
Product Synonym Gene Name	MEPI; PI14
Product Synonym Names	Serpin I2; Myoepithelium-derived serine protease inhibitor; Pancpin; Pancreas-specific protein TSA2004; Peptidase inhibitor 14; PI-14; SERPINI2; MEPI; PI14
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	SERPINI2 peptide (MBS9222769) is used for blocking the activity of SERPINI2 antibody (MBS9201377)
Molecular Weight	46,145 Da
OMIM	605587
Cellular Location	Secreted.
Tissue Location	Expressed in pancreas and adipose tissues.
Related Product Information for SERPINI2 blocking peptide	MBS9222769 is a blocking peptide targeting SERPINI2. Also known as SERPINI2 Antibody (C-term) Blocking Peptide.
Other Notes	Small volumes of SERPINI2 blocking peptide 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 SERPINI2. It may not necessarily be applicable to this product.

NCBI GI #	20139983
NCBI GeneID	5276
NCBI Accession #	O75830.1
UniProt Primary Accession #	O75830
UniProt Related Accession #	O75830
NCBI Official Full Name	Serpin I2
NCBI Official Synonym Full Names	serpin family I member 2
NCBI Official Symbol	SERPINI2
NCBI Official Synonym Symbols	MEPI; PI14; PANCPIN; TSA2004
UniProt Protein Name	Serpin I2
UniProt Synonym Protein Names	Myoepithelium-derived serine protease inhibitor; Pancpin; Pancreas-specific protein TSA2004; Peptidase inhibitor 14; PI-14

Protein Family	Serpin
UniProt Gene Name	SERPINI2
UniProt Synonym Gene Names	MEPI; PI14; PI-14
UniProt Entry Name	SPI2_HUMAN
NCBI Protein Information	serpin I2
NCBI Summary for SERPINI2	The gene encodes a member of a family of proteins that acts as inhibitors of serine proteases. These proteins function in the regulation of a variety of physiological processes, including coagulation, fibrinolysis, development, malignancy, and inflammation. Expression of the encoded protein may be downregulated during pancreatic carcinogenesis. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Jan 2013]
UniProt Comments for SERPINI2	SERPINI2: is a member of the serine protease inhibitor (serpin) superfamily made up of proteins which play central roles in the regulation of a wide variety of physiological processes, including coagulation, fibrinolysis, development, malignancy and inflammation. The gene product may have a role in a growth-control, possibly growth-suppressing pathway and, when impaired, may be involved in pancreatic carcinogenesis. The protein is a member of the plasminogen activator inhibitor-1 family, a subset of the serpin superfamily whose members act as tissue-specific tPA inhibitors. Two alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 3q26.1 Cellular Component: extracellular space Molecular Function: protein binding Biological Process: cell motility
Research Articles on SERPINI2	**1.** The findings indicate that SERPINI2 is a promising candidate for further investigations of the genetic susceptibility to myopia.
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