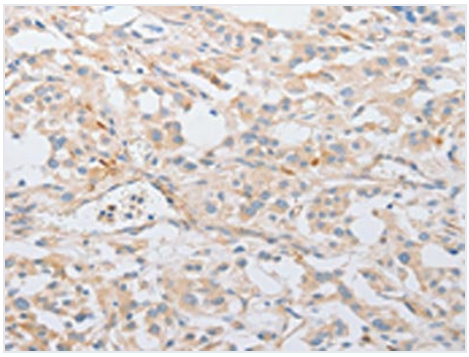
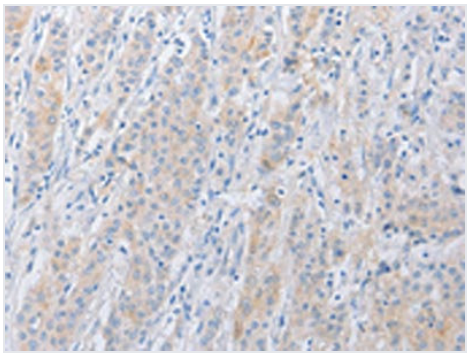
SERPINE2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SERPINE2, Polyclonal Antibody
Full Product Name	SERPINE2 Antibody
Product Gene Name	anti-SERPINE2 antibody
Product Synonym Names	serpin peptidase inhibitor; clade E (nexin; plasminogen activator inhibitor type 1); member 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	45,267 Da
OMIM	177010
3D Structure	ModBase 3D Structure for P07093
Immunogen	Fusion protein of human SERPINE2
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-SERPINE2 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SERPINE2 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-SERPINE2 antibody	ELISA: 1:2000-1:5000 IHC: 1:25-1:100
Related Product Information for anti-SERPINE2 antibody	MBS7124103 is an antibody targeting SERPINE2. Also known as SERPINE2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SERPINE2 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.



Immunohistochemistry (IHC)-Paraffin of anti-SERPINE2 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7124103(SERPINE2 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-SERPINE2 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using MBS7124103(SERPINE2 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINE2. It may not necessarily be applicable to this product.

NCBI GI #	121110
NCBI GeneID	5270
NCBI Accession #	P07093.1
UniProt Primary Accession #	P07093
UniProt Secondary Accession #	Q53S15; Q5D0C4; B2R6A4; B4DIF2
UniProt Related Accession #	P07093
NCBI Official Full Name	Glia-derived nexin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2
NCBI Official Symbol	SERPINE2
NCBI Official Synonym Symbols	GDN; PI7; PN1; PNI; PI-7; PN-1; GDNPF
UniProt Protein Name	Glia-derived nexin
UniProt Synonym Protein Names	Peptidase inhibitor 7; PI-7; Protease nexin 1; PN-1; Protease nexin I; Serpin E2
Protein Family	Glia-derived nexin
UniProt Gene Name	SERPINE2
UniProt Synonym Gene Names	PI7; PN1; GDN; PI-7; PN-1
UniProt Entry Name	GDN_HUMAN
NCBI Protein Information	glia-derived nexin
NCBI Summary for SERPINE2	This gene encodes a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. Thrombin, urokinase, plasmin and trypsin are among the proteases that this family member can inhibit. This gene is a susceptibility gene for chronic obstructive pulmonary disease and for emphysema. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

UniProt Comments for SERPINE2	SERPINE2: Serine protease inhibitor with activity toward thrombin, trypsin, and urokinase. Promotes neurite extension by inhibiting thrombin. Binds heparin. Belongs to the serpin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Inhibitor; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 2q36.1 Cellular Component: cell soma; cytosol; extracellular matrix; extracellular region; extracellular space; extrinsic to external side of plasma membrane; neuromuscular junction Molecular Function: glycosaminoglycan binding; heparin binding; protein binding; receptor binding; serine-type endopeptidase inhibitor activity Biological Process: blood coagulation; cerebellar granular layer morphogenesis; detection of mechanical stimulus involved in sensory perception; embryo implantation; mating plug formation; negative regulation of blood coagulation; negative regulation of cell growth; negative regulation of cell proliferation; negative regulation of phosphoinositide 3-kinase cascade; negative regulation of proteolysis; negative regulation of smoothened signaling pathway; positive regulation of astrocyte differentiation; regulation of cell migration; regulation of synaptic transmission, glutamatergic; regulation of timing of cell differentiation; response to radiation; secretory granule organization and biogenesis
Research Articles on SERPINE2	**1.** Our findings indicate that upregulated SERPINE2 may contribute to the aggressive phenotype of gastric cancer and suggest that SERPINE2 can be used as a novel prognostic factor and anticancer target in patients with gastric cancer.
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