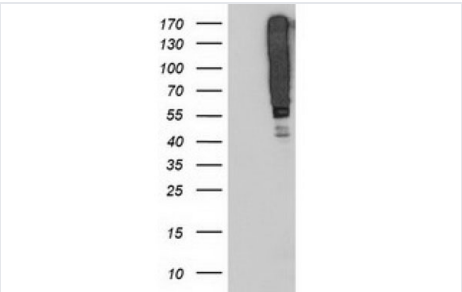
SERPINB13 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SERPINB13, Monoclonal Antibody
Full Product Name	SERPINB13 antibody
Product Gene Name	anti-SERPINB13 antibody
Product Synonym Names	Monoclonal SERPINB13; Anti-SERPINB13; Serine Protease Inhibitor B13; SERPINB13; SERPINB 13; SERPINB-13
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D4
Host	Mouse
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purity/Purification	SERPINB13 antibody was purified by affinity chromatography.
Concentration	500 ug-1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	38,413 Da
OMIM	604445
3D Structure	ModBase 3D Structure for Q9UIV8
Cross-Reactivity	Human, Mouse
Immunogen	SERPINB13 antibody was raised in mouse using a full length recombinant protein of human SERPINB13 (NP_036529) produced in HEK293T cells, as the immunogen.
Product Categories/Family for anti-SERPINB13 antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-SERPINB13 antibody	Flow Cytometry (FC/FACS), Western Blot (WB)
Application Notes for anti-SERPINB13 antibody	FC: 1:100 WB: 1:500-2000
Related Product Information for anti-SERPINB13 antibody	MBS832734 is an antibody targeting SERPINB13. Also known as SERPINB13 antibody. Host: Mouse. Mouse monoclonal SERPINB13 antibody
Other Notes	Small volumes of anti-SERPINB13 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.



Western Blot (WB) of anti-SERPINB13 antibody
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SERPINB13 protein (Right) or empty vector (Left) detected with SERPINB13 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINB13. It may not necessarily be applicable to this product.

NCBI GI #	8393956
NCBI GeneID	5275
NCBI Accession #	NP_036529
UniProt Primary Accession #	Q9UIV8
UniProt Secondary Accession #	Q3MII2; Q9HCX1; Q9UBW1; Q9UKG0; A8K2Q8
UniProt Related Accession #	Q9UIV8
GenBank Nucleotide #	NM_012397.3
NCBI Official Full Name	serpin B13 isoform 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 13
NCBI Official Symbol	SERPINB13
NCBI Official Synonym Symbols	HUR7; PI13; headpin; HSHUR7SEQ
UniProt Protein Name	Serpin B13
UniProt Synonym Protein Names	HaCaT UV-repressible serpin; Hurpin; Headpin; Peptidase inhibitor 13; PI-13; Proteinase inhibitor 13
Protein Family	Serpin
UniProt Gene Name	SERPINB13
UniProt Synonym Gene Names	PI13; Hurpin; PI-13
UniProt Entry Name	SPB13_HUMAN
NCBI Protein Information	serpin B13
UniProt Comments for SERPINB13	SERPINB13: May play a role in the proliferation or differentiation of keratinocytes. Belongs to the serpin family. Ov-serpin subfamily. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 18q21.33 Cellular Component: nucleoplasm; extracellular space; cytoplasm; nucleolus Molecular Function: serine-type endopeptidase inhibitor activity; protease binding; cysteine protease inhibitor activity Biological Process: regulation of proteolysis; response to UV
Research Articles on SERPINB13	**1.** clade B serpins help to maintain homeostasis by inducing protective humoral immunity

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