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SERPING1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SERPING1.
Catalog # AT3826a

Product Information

Application	WB, IHC, IP, E
Primary Accession	P05155
Other Accession	BC011171
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3F4-1D9
Calculated MW	55154

Additional Information

Gene ID	710
Other Names	Plasma protease C1 inhibitor, C1 Inh, C1Inh, C1 esterase inhibitor, C1-inhibiting factor, Serpin G1, SERPING1, C1IN, C1NH
Target/Specificity	SERPING1 (AAH11171, 1 a.a. ~ 500 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SERPING1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

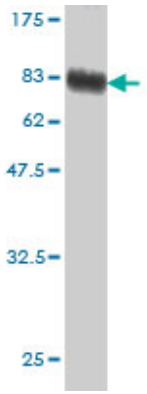
This gene encodes a highly glycosylated plasma protein involved in the regulation of the complement cascade. Its protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform.

References

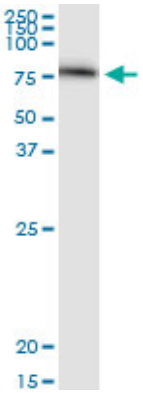
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID

20628624.The effect of genetic variants in SERPING1 on the risk of neovascular age-related macular degeneration. Lee AY, et al. Br J Ophthalmol, 2010 Jul. PMID 20606025.Determination of a gene and environment risk model for age-related macular degeneration. Gibson J, et al. Br J Ophthalmol, 2010 Jun 24. PMID 20576771.Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.Risk of meningioma and common variation in genes related to innate immunity. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2010 May. PMID 20406964.

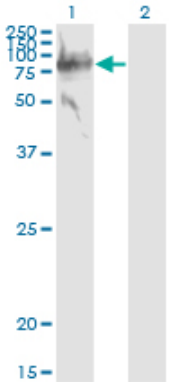
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (80.52 KDa) .

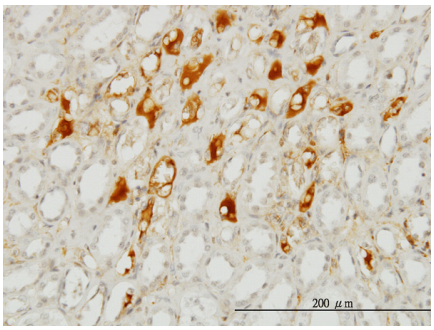


SERPING1 monoclonal antibody (M01), clone 3F4-1D9. Western Blot analysis of SERPING1 expression in human liver.

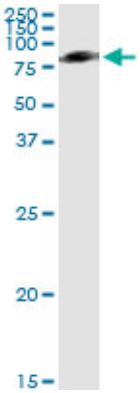


Western Blot analysis of SERPING1 expression in transfected 293T cell line by SERPING1 monoclonal antibody (M01), clone 3F4-1D9.

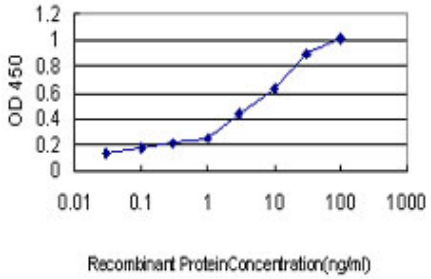
Lane 1: SERPING1 transfected lysate (Predicted MW: 55.2 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to SERPING1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]



Immunoprecipitation of SERPING1 transfected lysate using anti-SERPING1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with SERPING1 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged SERPING1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.