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SERPINI1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SERPINI1.
Catalog # AT3828a

Product Information

Application	WB, IHC, E
Primary Accession	Q99574
Other Accession	BC018043
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1D10
Calculated MW	46427

Additional Information

Gene ID	5274
Other Names	Neuroserpin, Peptidase inhibitor 12, PI-12, Serpin I1, SERPINI1, PI12
Target/Specificity	SERPINI1 (AAH18043, 17 a.a. ~ 410 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 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	SERPINI1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

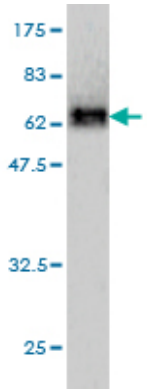
Background

This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The protein is primarily secreted by axons in the brain, and preferentially reacts with and inhibits tissue-type plasminogen activator. It is thought to play a role in the regulation of axonal growth and the development of synaptic plasticity. Mutations in this gene result in familial encephalopathy with neuroserpin inclusion bodies (FENIB), which is a dominantly inherited form of familial encephalopathy and epilepsy characterized by the accumulation of mutant neuroserpin polymers. Multiple alternatively spliced variants, encoding the same protein, have been identified.

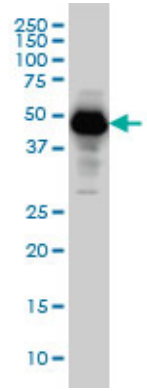
References

1.Proteomic analysis of podocyte exosome-enriched fraction from normal human urine.Prunotto M, Farina A, Lane L, Pernin A, Schifferli J, Hochstrasser DF, Lescuyer P, Moll S.J Proteomics. 2013 Jan 30. doi:pii: S1874-3919(13)00040-7. 10.1016/j.jprot.2013.01.012. [Epub ahead of print]

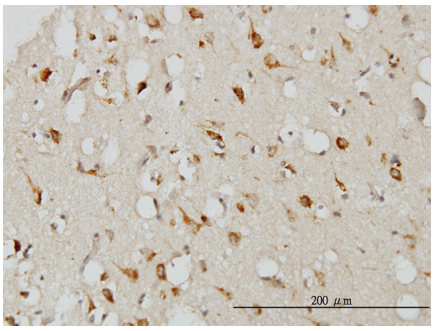
Images



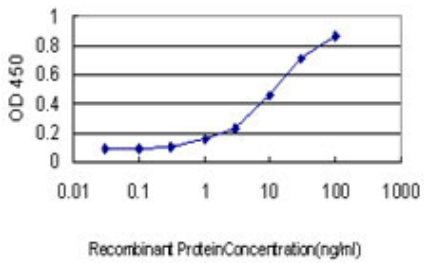
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (69.08 KDa) .



SERPINI1 monoclonal antibody (M01), clone 1D10 Western Blot analysis of SERPINI1 expression in HeLa ((Cat # AT3828a)



Immunoperoxidase of monoclonal antibody to SERPINI1 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged SERPINI1 is approximately 0.3ng/ml as a capture antibody.

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