

Neuroserpin Antibody (clone 1D10)
Mouse Monoclonal Antibody
Catalog # ALS14400**Specification**

Neuroserpin Antibody (clone 1D10) - Product Information

Application	WB, IHC
Primary Accession	Q99574
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	46kDa KDa

Neuroserpin Antibody (clone 1D10) - Additional Information**Gene ID** 5274**Other Names**

Neuroserpin, Peptidase inhibitor 12, PI-12, Serpin I1, SERPINI1, PI12

Target/Specificity

Human Neuroserpin

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

Neuroserpin Antibody (clone 1D10) is for research use only and not for use in diagnostic or therapeutic procedures.

Neuroserpin Antibody (clone 1D10) - Protein Information**Name** SERPINI1**Synonyms** PI12**Function**

Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin (PubMed: [9442076](http://www.uniprot.org/citations/9442076), PubMed: [26329378](http://www.uniprot.org/citations/26329378), PubMed: [19265707](http://www.uniprot.org/citations/19265707), PubMed: [19285087](http://www.uniprot.org/citations/19285087), PubMed: [11880376](http://www.uniprot.org/citations/11880376)). May be involved in the formation or reorganization of synaptic connections as well as for synaptic plasticity in the adult nervous system. May protect neurons from cell damage by tissue-type plasminogen activator (Probable).

Cellular Location

Secreted. Cytoplasmic vesicle, secretory vesicle lumen. Perikaryon

Tissue Location

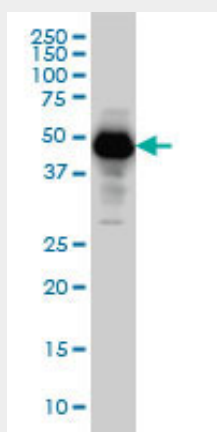
Detected in brain cortex and hippocampus pyramidal neurons (at protein level) (PubMed:17040209). Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Predominantly expressed in the brain (PubMed:9070919).

Neuroserpin Antibody (clone 1D10) - Protocols

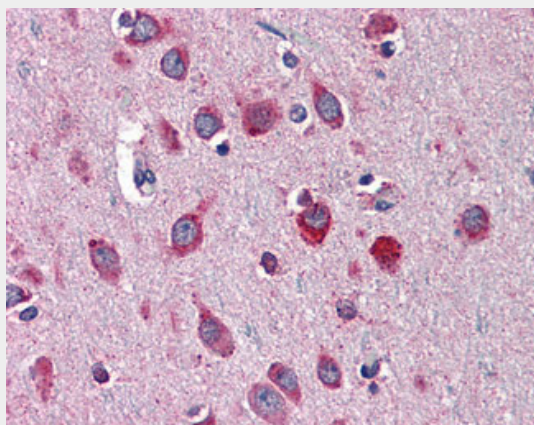
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neuroserpin Antibody (clone 1D10) - Images



SERPINI1 monoclonal antibody ALS14400, Western blot of SERPINI1 expression in HeLa.



Anti-SERPINI1 / Neuroserpin antibody IHC of human brain, cortex.

Neuroserpin Antibody (clone 1D10) - Background

Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin. May be involved in the formation or reorganization of synaptic connections as well as for synaptic plasticity in the adult nervous system. May protect neurons from cell damage by tissue-type plasminogen activator.

Neuroserpin Antibody (clone 1D10) - References

Schrimpf S.P.,et al.Genomics 40:55-62(1997).
Kinter J.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.