

SERPINI1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10388a**Specification****SERPINI1 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q99574](#)
Other Accession [NP_001116224.1](#),
[NP_005016.1](#)

SERPINI1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 5274

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SERPINI1 Antibody (N-term) Blocking peptide - Protein Information

Name SERPINI1

Synonyms PI12

Function

Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin (PubMed:9442076, PubMed:<a href="http://www.uniprot.org/ci

SERPINI1 Antibody (N-term) Blocking peptide - 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.

SERPINI1 Antibody (N-term) Blocking peptide - References

Takehara, S., et al. J. Mol. Biol. 403(5):751-762(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Davies, M.J., et al. J. Biol. Chem. 284(27):18202-18209(2009) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1651-1658(2009)

tations/26329378"
target="_blank">26329378,
PubMed:<a href="http://www.uniprot.org/ci
tations/19265707"
target="_blank">19265707,
PubMed:<a href="http://www.uniprot.org/ci
tations/19285087"
target="_blank">19285087,
PubMed:<a href="http://www.uniprot.org/ci
tations/11880376"
target="_blank">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). Predominantly
expressed in the brain (PubMed:9070919).

**SERPINI1 Antibody (N-term) Blocking
peptide - Protocols**

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

- [Blocking Peptides](#)