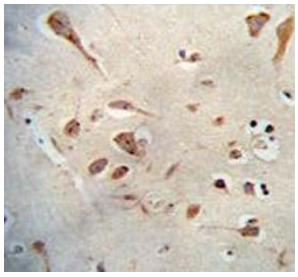
SERPINI1 Antibody / Neuroserpin (F54542)

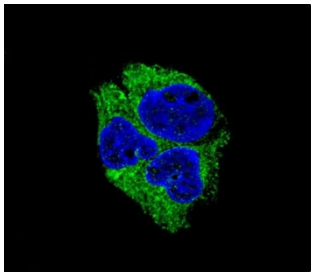
Catalog No.	Formulation	Size
F54542-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54542-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

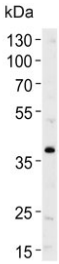
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q99574
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25
Limitations	This SERPINI1 antibody is available for research use only.



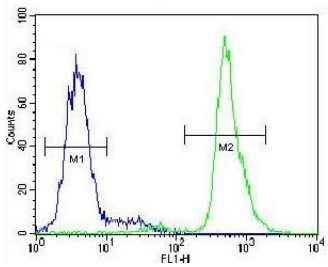
IHC testing of FFPE human brain tissue with SERPINI1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HepG2 cells with SERPINI1 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human SH-SY5Y cell lysate with SERPINI1 antibody. Predicted molecular weight ~46 kDa.



Flow cytometry testing of human HepG2 cells with SERPINI1 antibody; Blue=isotype control, Green= SERPINI1 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SERPINI1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 19-45 from the human protein was used as the immunogen for the SERPINI1 antibody.

Storage

Aliquot the SERPINI1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com