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Product datasheet for AP53865PU-N

Neuroserpin (SERPINI1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Immunofluorescence: 1/10-1/50. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 26-53 amino acids from the N-terminal region of Human SERPINI1.
Specificity:	Recognizes SERPINI1 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide Affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	serpin family I member 1
Database Link:	Entrez Gene 5274 Human Q99574

View online »

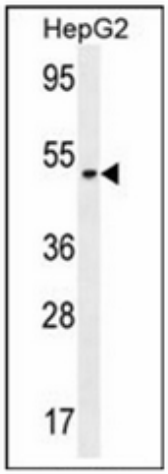
Background: This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The protein is primarily secreted by axons in the brain, and preferentially reacts with and inhibits tissue-type plasminogen activator. It is thought to play a role in the regulation of axonal growth and 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.

Synonyms: Serpin I1, PI12, PI-12

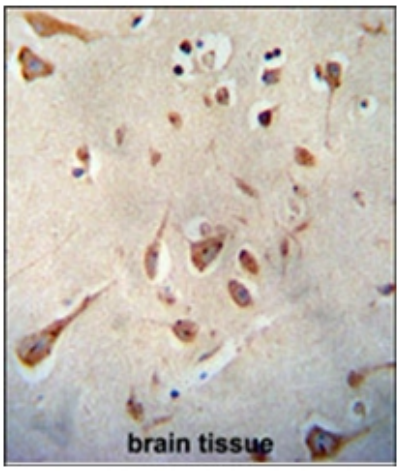
Note: **Molecular Weight:** 46427 Da

Protein Families: Druggable Genome, Secreted Protein

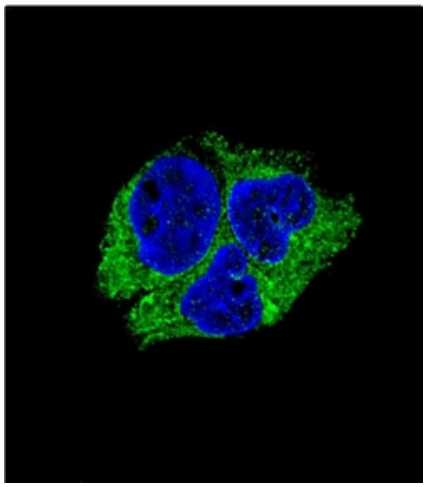
Product images:



Western blot analysis using SERPINI1 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). This demonstrates the SERPINI1 antibody detected the SERPINI1 protein (arrow).



Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human brain tissue stained with SERPINI1 antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SERPINI1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal Immunofluorescent analysis of SERPINI1 Antibody (N-term) with HepG2 cell followed by Alexa Fluor® 488-conjugated Goat anti-Rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).