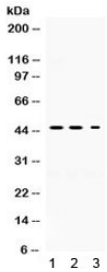
Neuroserpin Antibody (R32312)

Catalog No.	Formulation	Size
R32312	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q99574
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This Neuroserpin antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain, and 3) PANC lysate with Neuroserpin antibody. Expected/observed molecular weight ~46 kDa.

Description

Neuroserpin is a protein that in humans is encoded by the SERPINI1 gene. 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

Optimal dilution of the Neuroserpin antibody should be determined by the researcher.

Immunogen

Amino acids KAQLVEEWANSVKKQKVEVYLPRFTVEQEIDLKDVLKA L of human Neuroserpin/SERPINI1 were used as the immunogen for the Neuroserpin antibody.

Storage

After reconstitution, the Neuroserpin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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