



Anti-SERPINI1 polyclonal antibody (CPBT-39824RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Rabbit Polyclonal antibody to Human SERPINI1. |
| Antigen 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. |
| Specificity | Predominantly expressed in the brain. |
| Immunogen | Highly pure (#98%) recombinant Human Neuroserpin. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Immunogen affinity purified |
| Conjugate | Unconjugated |
| Applications | S-ELISA, WB, I-ELISA |
| Sequence Similarities | Belongs to the serpin family. |
| Cellular Localization | Secreted. |

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| Format | Liquid |
| Size | 50 µg |
| Buffer | pH: 7.20Constituent:PBS |
| Preservative | None |
| Storage | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles. |

GENE INFORMATION

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| Gene Name | SERPINI1 serpin peptidase inhibitor, clade I (neuroserpin), member 1 [Homo sapiens] |
| Official Symbol | SERPINI1 |
| Synonyms | SERPINI1; serpin peptidase inhibitor, clade I (neuroserpin), member 1; PI12,serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1; neuroserpin; Neuroserpin; NEUS_HUMAN; Peptidase inhibitor 12; PI-12; PI12; Protease inhibitor 12; Serine or cysteine proteinase inhibitor clade I (neuroserpin) member 1; Serine or cysteine proteinase inhibitor clade I member 1; Serpin I1; Serpin peptidase inhibitor clade I (neuroserpin) member 1; SERPINI1; PI-12; serpin I1; peptidase inhibitor 12; serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1; PI12; |
| Entrez Gene ID | 5274 |
| Protein Refseq | NP_001116224 |
| UniProt ID | Q99574 |
| Chromosome Location | 3q26 |
| Pathway | Validated targets of C-MYC transcriptional activation, organism-specific biosystem; |
| Function | peptidase inhibitor activity; serine-type endopeptidase inhibitor activity; |