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**Anti-Human /Mouse /Rat SERPINI1 Polyclonal Antibody**  
**Polyclonal Antibody****Cat.NO.: PA03462**

3th Edition

**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. SERPINI1 (Serp Family I Member 1) is a Protein Coding gene. Diseases associated with SERPINI1 include Encephalopathy, Familial, With Neuroserpin Inclusion Bodies and Encephalopathy. Among its related pathways are Validated targets of C-MYC transcriptional activation and Cell adhesion\_Plasmin signaling. GO annotations related to this gene include serine-type endopeptidase inhibitor activity. An important paralog of this gene is SERPINI2.

**Antigen:** Synthetic peptide of human SERPINI1

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Predominantly expressed in the brain.