

Rabbit anti-Mouse Neuroserpin Polyclonal Antibody | anti-SerpinI1 antibody

Anti-Neuroserpin Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257243	Rabbit	Mouse	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Neuroserpin; Polyclonal Antibody; Anti-Neuroserpin Antibody; Rabbit Polyclonal; Neuroserpin/SERPINI1 Antibody; Rabbit PAb; Antigen Affinity Purified; serpin peptidase inhibitor; clade I (neuroserpin); member 1; Anti-AI837402 Antibody; Anti-Ns Antibody; Anti-PI-12 Antibody; Anti-PI12 Antibody; Anti-Serpin I1 Antibody; Anti-Spi17 Antibody; anti-SerpinI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Neuroserpin/SERPINI1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinI1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse Neuroserpin/SERPINI1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Neuroserpin/SERPINI1 (rM Neuroserpin/SERPINI1). Neuroserpin/SERPINI1 specific IgG was purified by Mouse Neuroserpin/SERPINI1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

mSERPINI1 was immunoprecipitated using: Lane A: 0.5 mg Mouse brain Whole Cell Lysate, 1 uL anti-mSERPINI1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-mSERPINI1 rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa. Observed band size: 50 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of mouse Neuroserpin in mouse brain with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-SERPINI1 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse brain tissue lysate Lane B: Rat brain tissue lysate Lane C: HeLa Whole Cell Lysate Lane D: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 46 kDa Observed band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Serpini1 antibody	Neuroserpin, also known as Protease inhibitor 12 and SERPINI1, is a secreted protein that belongs to the serpin family. Neuroserpin is a serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin. Serine protease inhibitors of the serpin superfamily are involved in many cellular processes. Neuroserpin was first identified as a protein secreted from the axons of dorsal root ganglion neurons. Neuroserpin is predominantly expressed in the brain, and is expressed in the late stages of neurogenesis during the process of synapse formation. Overexpression of neuroserpin in an anterior pituitary corticotroph cell line results in the extension of neurite-like processes, suggesting that neuroserpin may play a role in cell communication, cell adhesion, and/or cell migration. Neuroserpin may be involved in the formation or reorganization of synaptic connections, as well as synaptic plasticity in the adult nervous system. Neuroserpin may also protect neurons from cell damage by tissue-type plasminogen activator. Defects of neuroserpin are the cause of familial encephalopathy with neuroserpin inclusion bodies (FEN1B).
References	Schrimpf SP. et al., 1997, Genomics. 40 (1): 55-62. Hill RM. et al., 2002, Ann N Y Acad Sci. 971: 406-15. Yepes M. et al., 2004, Thromb. Haemost. 91 (3): 457-64. Galliciotti G. et al., 2006, Front Biosci. 11: 33-45.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678091
NCBI GeneID	20713
NCBI Accession #	NP_033276.1
NCBI GenBank Nucleotide #	NM_009250.2
UniProt Accession #	O35684; Q543F7; Q922U6
Molecular Weight	160,000
NCBI Official Full Name	neuroserpin
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade I, member 1
NCBI Official Symbol	Serpini1
NCBI Official Synonym Symbols	Ns; PI12; PI-12; Spi17; AI837402
NCBI Protein Information	neuroserpin; serpin I1; protease inhibitor 17; peptidase inhibitor 12; serine protease inhibitor 17
UniProt Protein Name	Neuroserpin
UniProt Gene Name	Serpini1
UniProt Synonym Gene Names	Pi12; Spi17; PI-12
UniProt Entry Name	NEUS_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.