

Rabbit Neuroserpin Polyclonal Antibody | anti-SERPINI1 antibody

Neuroserpin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329386	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (89%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Neuroserpin; Polyclonal Antibody; Neuroserpin Antibody; DKFZp781N13156; 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; anti-SERPINI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (89%)
Clonality	Polyclonal
Isotype	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Specificity	Neuroserpin Antibody detects endogenous levels of total Neuroserpin. Tissue Specificity: Detected in brain cortex and hippocampus pyramidal neurons (at protein level). Predominantly expressed in the brain.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SERPINI1 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Neuroserpin, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Monomer. Has a tendency to form large polymers already at 41 and 45 degrees Celsius (in vitro).
Similarity	Belongs to the serpin family.
Subcellular Location	Secreted. Cytoplasmic vesicle>Secretory vesicle lumen. Perikaryon.
Preparation and Storage	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

IMAGES



IF (Immunofluorescence)

Staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF4065) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extract from Mouse brain tissue using Neuroserpin Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINI1 antibody	Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin. May be involved in the formation or reorganization of synaptic connections as well as for synaptic plasticity in the adult nervous system. May protect neurons from cell damage by tissue-type plasminogen activator (Probable).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170295807
NCBI GeneID	5274
NCBI Accession #	NP_001116224.1
NCBI GenBank Nucleotide #	NM_001122752.1
UniProt Accession #	Q99574; Q6AHZ4; A8K217; D3DNP1
Molecular Weight	46,427 Da
NCBI Official Full Name	neuroserpin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade I (neuroserpin), member 1
NCBI Official Symbol	SERPINI1
NCBI Official Synonym Symbols	PI12; neuroserpin
NCBI Protein Information	neuroserpin; PI-12; peptidase inhibitor 12; serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1; serpin I1
UniProt Protein Name	Neuroserpin
UniProt Gene Name	SERPINI1
UniProt Synonym Gene Names	PI12; PI-12
UniProt Entry Name	NEUS_HUMAN

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.