

Rabbit Nicastrin Polyclonal Antibody | anti-NCSTN antibody

Nicastrin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307519	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

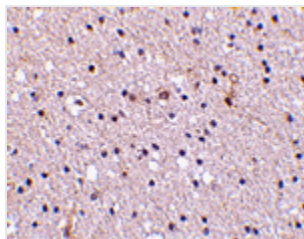
PRODUCT SYNONYMS

Nicastrin; Polyclonal Antibody; Nicastrin Antibody; Anterior pharynx defective 2; APH-2; anti-NCSTN antibody

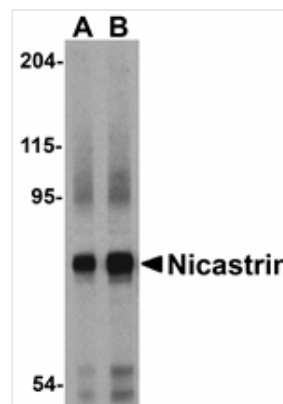
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	709
Applicable Applications for anti-NCSTN antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the center of human Nicastrin.
Target Name	Nicastrin
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of Nicastrin in human brain tissue with Nicastrin antibody at 2.5 ug/mL.



WB (Western Blot)
Western blot analysis of Nicastrin in human brain tissue lysate with Nicastrin antibody at (A) 0.5 and (B) 1ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NCSTN antibody	Nicastrin, in addition to presenilin, PEN2, and APH-1 forms the gamma-secretase protein complex, a membrane-bound aspartyl protease that can cleave certain proteins at peptide bonds buried within the hydrophobic environment of the lipid bilayer. This cleavage is responsible for a key step in signaling from several cell-surface receptors and is thought to be required for the generation of the neurotoxic amyloid peptides that are central to the pathogenesis of Alzheimer's disease. Like the tumor necrosis factor-alpha-converting enzyme (TACE) and the beta-site cleavage enzyme (BACE) protease families, gamma-secretase will cleave the amyloid precursor protein (APP), but within the intramembrane region of APP, resulting in either the non-toxic p3 (from the alpha and gamma cleavage site) or the toxic Abeta amyloid peptide (from the beta and gamma cleavage site). It is thought that accumulation of the Abeta peptide is the precursor to Alzheimer's disease. Nicastrin is also thought to be involved in cell proliferation and signaling, especially in regards to activation of Notch receptors as loss of Nicastrin expression results in mouse embryonic lethality.
Product Categories/Family for anti-NCSTN antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	24638433
NCBI GeneID	23385
NCBI Accession #	NP_056146
NCBI GenBank Nucleotide #	NM_015331.2
Molecular Weight	76,744 Da
NCBI Official Full Name	nicastrin isoform 1
NCBI Official Synonym Full Names	nicastrin
NCBI Official Symbol	NCSTN
NCBI Official Synonym Symbols	ATAG1874
NCBI Protein Information	nicastrin
UniProt Protein Name	Nicastrin
UniProt Gene Name	NCSTN
UniProt Synonym Gene Names	KIAA0253
UniProt Entry Name	NICA_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nicastrin-antibody-immunohistochemistry-western-blot-elisa/307519>