

NCSTN Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21573a**Specification**

NCSTN Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O92542
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	78411

NCSTN Antibody (N-Term) - Additional Information**Gene ID** 23385**Other Names**

Nicastrin, NCSTN, KIAA0253

Target/Specificity

This NCSTN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 99-133 amino acids from human NCSTN.

Dilution

WB~~1:8000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NCSTN Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NCSTN Antibody (N-Term) - Protein Information**Name** NCSTN**Synonyms** KIAA0253**Function** Essential subunit of the gamma-secretase complex, an endoprotease complex that

catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid- beta precursor protein) (PubMed:[10993067](#), PubMed:[12679784](#), PubMed:[25043039](#), PubMed:[26280335](#), PubMed:[30598546](#), PubMed:[30630874](#)). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNMB1 levels.

Cellular Location

Membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

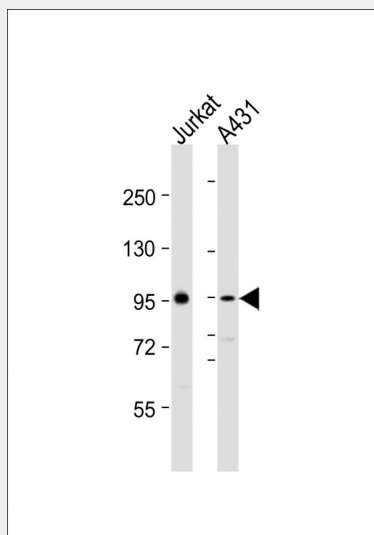
Detected in brain (at protein level) (PubMed:10993067). Widely expressed (PubMed:11396676)

NCSTN Antibody (N-Term) - Protocols

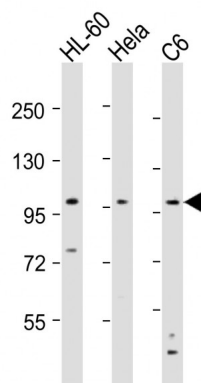
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NCSTN Antibody (N-Term) - Images



All lanes : Anti-NCSTN Antibody (N-Term) at 1:2000 dilution Lane 1: Jurkat whole cell lysates Lane 2: A431 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 78 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-NCSTN Antibody (N-Term) at 1:8000 dilution Lane 1: HL-60 whole cell lysates Lane 2: HeLa whole cell lysates Lane 3: C6 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 78 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NCSTN Antibody (N-Term) - Background

Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). It probably represents a stabilizing cofactor required for the assembly of the gamma-secretase complex.

NCSTN Antibody (N-Term) - References

Yu G.,et al.Nature 407:48-54(2000).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.