

Anti-Nicastrin Rabbit Monoclonal Antibody

Catalog # ABO15357

Product Information

Application	WB, IF, ICC
Primary Accession	Q92542
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Nicastrin Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	23385
Other Names	Nicastrin, NCSTN, KIAA0253
Calculated MW	78411
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 19N33
Immunogen	A synthesized peptide derived from human Nicastrin
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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 CTNNB1 levels.

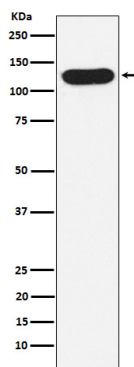
Cellular Location

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)

Images



Western blot analysis of Nicastrin expression in A431 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.