

[KD]Nicastrin Rabbit mAb

Catalog # AP75809

Product Information

Application	WB
Primary Accession	Q92542
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	78411

Additional Information

Gene ID	23385
Other Names	NCSTN
Dilution	WB~~1:500-1:1000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid 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

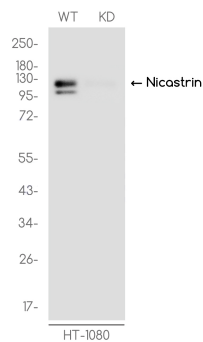
Tissue Location

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

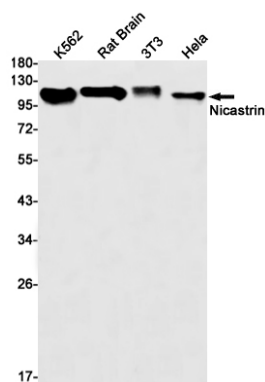
Background

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.

Images



Western blot analysis of Nicastrin in HT1080(WT) and Nicastrin-Knockdown HT1080(KD) using Nicastrin antibody.



Western blot analysis of Nicastrin in K562, rat Brain, 3T3, HeLa lysates using Nicastrin antibody.

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