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KD-Validated Anti-Nicastrin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1442

Product Information

Application	WB, FC, ICC
Primary Accession	Q92542
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1040
Calculated MW	78411
Gene Name	NCSTN
Aliases	Nicastrin; ATAG1874; Anterior Pharynx-Defective 2; KIAA0253
Immunogen	A synthesized peptide derived from human Nicastrin

Additional Information

Gene ID	23385
Other Names	Nicastrin, NCSTN, KIAA0253

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)

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