

Datasheet for ABIN3042580

anti-Nicastrin antibody (N-Term)





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Quantity:	100 μg	
Target:	Nicastrin (NCSTN)	
Binding Specificity:	AA 72-88, N-Term	
Reactivity:	Human, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Nicastrin antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Nicastrin(NCSTN) detection. Tested with WB in	
	Human,Mouse,Rat.	
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Nicastrin(72-88aa	
	VIHVVEKEEDLQWVLTD), different from the related mouse sequence by one amino acid, and	
	from the related rat sequence by two amino acids.	
Sequence:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
	VIHVVEKEED LQWVLTD	
Isotype:	IgG	
·		
Isotype:	IgG	
Isotype:	IgG Predicted Cross Reactivity: mouse	
Isotype:	IgG Predicted Cross Reactivity: mouse No cross reactivity with other proteins.	

Product Details Rabbit IgG polyclonal antibody for Nicastrin(NCSTN) detection. Tested with WB in Characteristics: Human, Mouse, Rat. Gene Name: nicastrin Protein Name: Nicastrin Purification: Immunogen affinity purified. **Target Details** Nicastrin (NCSTN) Target: Alternative Name: NCSTN (NCSTN Products) Background: Nicastrin, also known as NCSTN, is a protein that is a part of the gamma secretase protein complex. It is mapped to 1q23.2. This gene is not catalytically active, but instead promotes the maturation and proper trafficking of the other proteins in the gamma secretase protein complex, all of which undergo significant post-translational modification before becoming active in the cell. NCSTN encodes a Type I transmembrane glycoprotein that is an integral component of the multimeric gamma-secretase complex. The encoded protein cleaves integral membrane proteins, including Notch receptors and beta-amyloid precursor protein, and may be a stabilizing cofactor required for gamma-secretase complex assembly. The cleavage of betaamyloid precursor protein yields amyloid beta peptide, the main component of the neuritic plaque and the hallmark lesion in the brains of patients with Alzheimer's disease. Nicastrin has also been identified as a regulator of neprilysin, an enzyme involved in the degradation of amyloid beta fragment. Synonyms: Anterior pharynx defective 2 antibody|APH 2 antibody|APH2 antibody|ATAG1874 antibody|KIAA0253 antibody|Ncstn antibody|NCT antibody|NICA_HUMAN antibody|Nicastrin antibody|RP11 517F10.1 antibody|RP11517F101 antibody UniProt: 092542 Pathways: Notch Signaling, Neurotrophin Signaling Pathway **Application Details**

Application Notes:

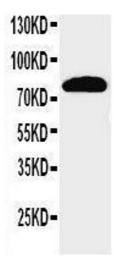
WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg	
	Sodium azide.	
Preservative:	Thimerosal (Merthiolate), Sodium azide	
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND	
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	

Images



Western Blotting

Image 1. Observed bind size: 78KD