

For Research Use Only

Nicastrin Polyclonal antibody

Catalog Number: 14071-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 14071-1-AP	GenBank Accession Number: BC047621	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23385	Recommended Dilutions: WB 1:500-1:2000 IF 1:10-1:100
Source: Rabbit	Full Name: nicastrin	
Isotype: IgG	Calculated MW: 709 aa, 78.4 kDa	
Immunogen Catalog Number: AG5137	Observed MW: 110 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse brain tissue, C6 cells, human brain tissue
Cited Applications: IHC, WB	IF : C6 cells,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

Nicastrin (NCT) is a type I transmembrane glycoprotein, which forms high molecular weight gamma-secretase complexes with presenilin 1 and presenilin 2 (PMID: 16096051). The gamma-secretase is an intramembrane protease cleaves many type I membrane proteins including amyloid precursor protein (APP) and Notch, generating peptide fragments that are important signaling components (PMID: 16096062). The proteolytical processing of APP results in the release of amyloid-β peptide, a principal component of the plaques found in the brains of Alzheimer's disease patients (PMID: 12716934).

Notable Publications

Author	Pubmed ID	Journal	Application
Xicheng Wang	32226312	Cancer Cell Int	WB, IHC
Qingyong Li	35701825	J Neuroinflammation	WB
Yasuteru Inoue	34311050	Neurosci Lett	WB

Storage

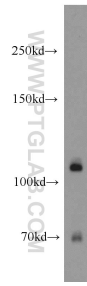
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

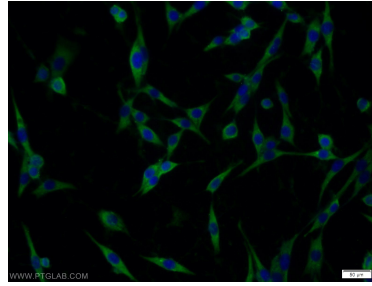
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14071-1-AP (NCSTN antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of C6 cells using 14071-1-AP (Nicastrin antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).