

For Research Use Only

# Nicastrin Polyclonal antibody

Catalog Number: 14071-1-AP

Featured Product

8 Publications



## Basic Information

Catalog Number:

14071-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5137

GenBank Accession Number:

BC047621

GeneID (NCBI):

23385

UNIPROT ID:

Q92542

Full Name:

nicastrin

Calculated MW:

709 aa, 78.4 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, C6 cells, human brain tissue

IF/ICC : C6 cells,

## 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- $\beta$  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

For technical support and original validation data for this product please contact:

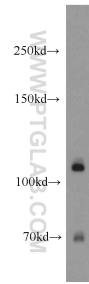
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

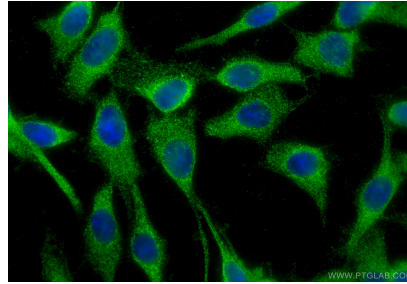
W: [ptgcn.com](http://ptgcn.com)

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 (-20°C Ethanol) fixed C6 cells using Nicastrin antibody (14071-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).