

For Research Use Only

# Nicastrin Polyclonal antibody, PBS Only

Catalog Number: 14071-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

14071-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Nicastrin (NCT) is a type I transmembrane glycoprotein, which forms high molecular weight gamma-secretase complexes with 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).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

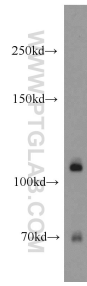
For technical support and original validation data for this product please contact:

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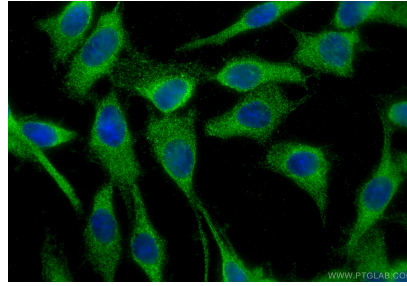
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



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. This data was developed using the same antibody clone with 14071-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 14071-1-PBS in a different storage buffer formulation.