

For Research Use Only

Nicastrin Polyclonal antibody, PBS Only

Catalog Number: 14071-1-PBS

Featured Product



Basic Information

Catalog Number:

14071-1-PBS

Concentration:

1 mg/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

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- β peptide, a principal component of the plaques found in the brains of Alzheimer's disease patients (PMID: 12716934).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

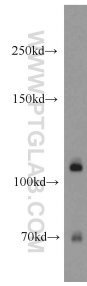
T: 4006900926

E: Proteintech-CN@ptglab.com

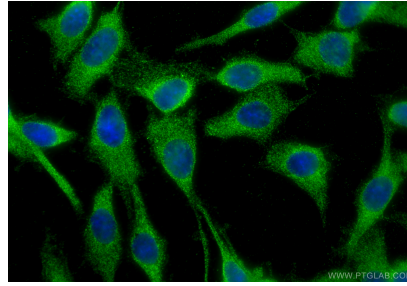
W: ptgcn.com

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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.