

Nicastrin Polyclonal Antibody

Catalog number: 14071-1-AP

Size: 61 µg/150 µl

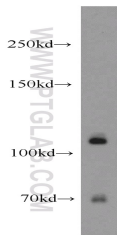
Source: Rabbit

Isotype: IgG

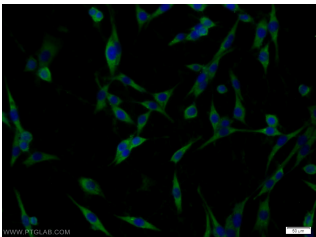
Synonyms:

NCSTN; APH2, KIAA0253,

NCSTN, nicastrin



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14071-1-AP(NCSTN antibody) at dilution of 1:800



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)

Background

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).

Applications

Tested applications:	ELISA, WB, IF
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated Nicastrin MW:	709aa,78.4 kDa
Observed Nicastrin MW:	110kd
Positive WB detected in	Mouse brain tissue, C6 cells, human brain tissue
Positive IF detected in	C6 cells
Recommended dilution:	WB: 1:500-1:5000 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5137
GenBank accession number:	BC047621
Gene ID (NCBI):	23385
Full name:	Nicastrin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.