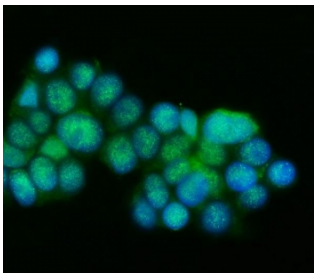
PSEN1 Antibody / Presenilin 1 (RQ6791)

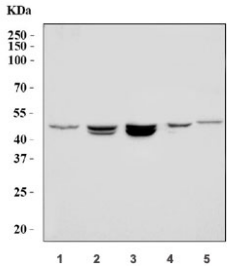
Catalog No.	Formulation	Size
RQ6791	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

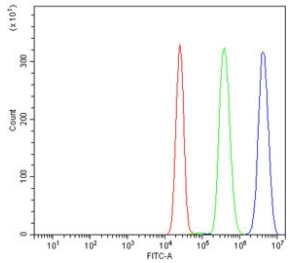
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49768
Localization	Nuclear, cytoplasmic, cell membrane
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PSEN1 antibody is available for research use only.



Immunofluorescent staining of FFPE human RT4 cells with PSEN1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human RT4, 2) human MCF7, 3) human Caco-2, 4) rat brain and 5) mouse brain tissue lysate with PSEN1 antibody. Predicted molecular weight ~53 kDa.



Flow cytometry testing of human K562 cells with PSEN1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PSEN1 antibody.

Description

Presenilin-1 (PS-1) is a presenilin protein that in humans is encoded by the PSEN1 gene. Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined.

Application Notes

Optimal dilution of the PSEN1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-K76) was used as the immunogen for the PSEN1 antibody.

Storage

After reconstitution, the PSEN1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.