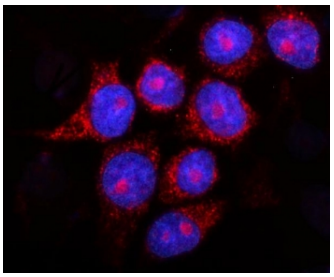
PSEN2 Antibody / Presenilin 2 (RQ6264)

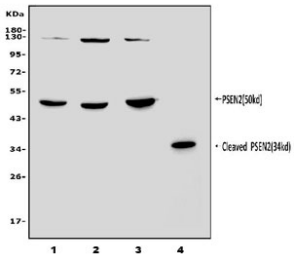
Catalog No.	Formulation	Size
RQ6264	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

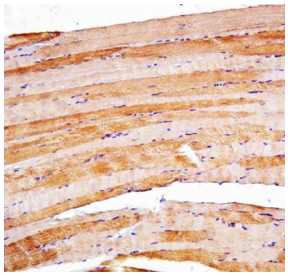
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49810
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This PSEN2 antibody is available for research use only.



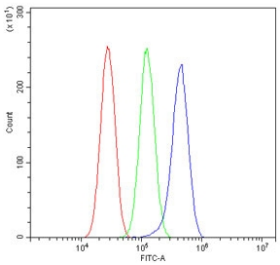
PSEN2 Antibody MCF7 IF. Immunofluorescent staining of FFPE human MCF7 cells with PSEN2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



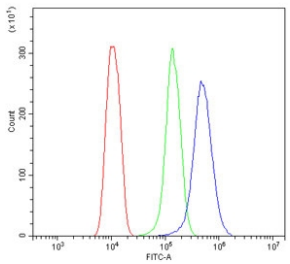
PSEN2 Antibody WB. Western blot testing of human 1) placenta, 2) HEK293, 3) Caco-2 and 4) mouse kidney lysate with PSEN2 antibody. Predicted molecular weight: ~50 kDa.



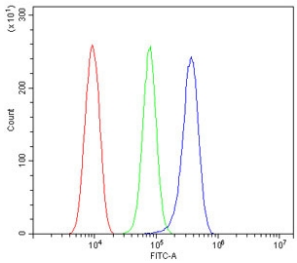
PSEN2 Antibody Skeletal Muscle IHC. Immunohistochemistry staining of FFPE human skeletal muscle with PSEN2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



PSEN2 Antibody U-87 MG FACS. Flow cytometry testing of human U-87 MG cells with PSEN2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PSEN2 antibody.



PSEN2 Antibody Mouse HEPA1-6 FACS. Flow cytometry testing of mouse HEPA1-6 cells with PSEN2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PSEN2 antibody.



PSEN2 Antibody Rat RH35 FACS. Flow cytometry testing of rat RH35 cells with PSEN2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PSEN2 antibody.

Description

PSEN2 Antibody specifically detects Presenilin-2, a protein that in humans is encoded by the PSEN2 gene. Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or PSEN2) or 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 act are protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.

Explore additional epithelial tumor and cancer-associated biomarkers on our Cancer Antibodies page, including antibodies targeting gastrointestinal malignancies, tight junction proteins, and tumor-associated epithelial signaling pathways.

Application Notes

Optimal dilution of the PSEN2 antibody should be determined by the researcher.

Immunogen

Amino acids STDNLVRPFMDTLASHQLYI from the human protein were used as the immunogen for the PSEN2 antibody.

Storage

After reconstitution, the PSEN2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

PSEN2 antibody, PS2 antibody, PSNL2 antibody, Presenilin 2 antibody

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