Nicastrin N-Terminal (Nicastrin/N-Term) Polyclonal Antibody, Purified
Catalog Number: PRB-364P
Available Size: 0.1 mL

Description:
Polyclonal Antibody against Nicastrin N-terminal

Also Known As:
ATAG1874; anterior pharynx-defective 2

Form:
Affinity Purified Antibody

Host:
Rabbit

Species Reactivity:
Human, Mouse

[Ab]:
0.8 mg/mL

Specificity:
The gamma secretase is a multiprotein complex consisting of presenilin, nicastrin, Aph-1 and Pen-2; all four proteins are necessary for full proteolytic activity. The gamma secretase complex catalyzes cleavage of a number of integral membrane proteins including Amyloid precursor protein, Notch, Erb4 and E-cadherin. The results of several recent studies indicate that the functional gamma secretase activity mostly arises from a low abundance very high molecular weight complex (>670 kDa). These data suggest that additional proteins may be present in these functional complexes or the functional complex is a higher order multimer of presenilin, aph-1, pen-2 and nicastrin.

The antibody was raised against the N-terminal fragment of nicastrin corresponding to a peptide containing residues 103-124 (CFTRDLMEKLK GRTSRIAGLAVSL) The peptide was coupled to KLH and affinity-purified (ammonium sulfate precipitated IgG applied to columns with peptides coupled to Sulfo-link).

The PRB-365P was raised against the Nicastrin (C-terminal) and has a similar affinity and specificity to the PRB-364P. Both these nicastrin antibodies recognize transfected and endogenous proteins.

Uses:
This antibody is effective in immunoblotting, immunoprecipitation and immunocytochemistry.

Suggested Working Dilution:
The optimal working dilution should be determined for each specific assay condition. This antibody is sold for laboratory research use only, not for human or in-vivo use. Covance antibodies may not be resold or modified for resale without prior written approval.

- Western blot: 1:1,000
- Immunofluorescence: 1:200
- Immunoprecipitation: 1:200

See reverse side for additional information
Storage:
Store at -20°C. Upon initial thawing, apportion into working aliquots and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. For long-term storage, keep the antibody at -80°C.

References:


Warranty/Conditions:
Covance products may not be resold or modified for resale without prior written approval. All sales are subject to Covance Antibody Products Terms and Conditions of Sale.

Datasheet Revision Date:
11/6/2011

Related Products:
- Nicastrin C-Terminal (Nicastrin/C-Term) Polyclonal Antibody, Purified Catalog Number PRB-365P
- Aph-1aL/C Terminal (245-265) Polyclonal Antibody, Purified Catalog Number PRB-550P
- Presenilin 2 Monoclonal Antibody Catalog Number MMS-359S
- Presenilin 1/C-Terminal (PS1/C-Term) Polyclonal Antibody, Purified Catalog Number PRB-355P
- Aph-1aL/S Loop (92-115) Polyclonal Antibody, Purified Catalog Number PRB-551P