

Product datasheet

Anti-Nicastrin antibody - C-terminal ab226299

2 Images

Overview

Product name	Anti-Nicastrin antibody - C-terminal
Description	Rabbit polyclonal to Nicastrin - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Dog, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human Nicastrin aa 659-709 (C terminal). The exact sequence is proprietary. (NP_056146.1). Database link: Q92542
Positive control	WB: HeLa whole cell lysate. IP: HeLa whole cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab226299 was affinity purified using an epitope specific to Nicastrin immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab226299** in the following tested applications.

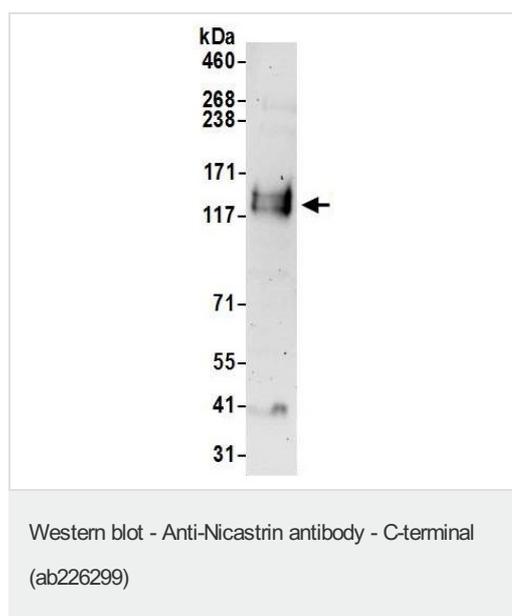
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2500. Predicted molecular weight: 78 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function	Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). It probably represents a stabilizing cofactor required for the assembly of the gamma-secretase complex.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the nicastrin family.
Cellular localization	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images

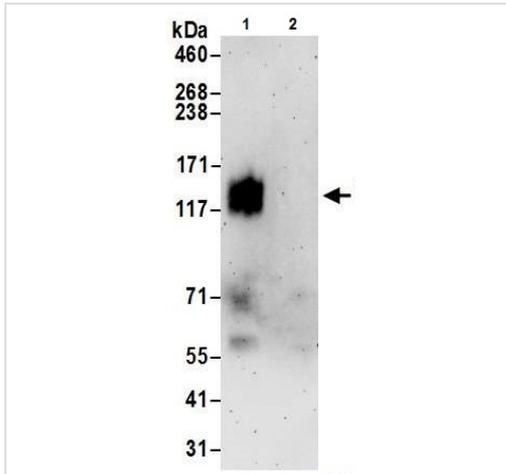


Anti-Nicastrin antibody - C-terminal (ab226299) at 1 µg/ml + HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate prepared using RIPA buffer at 50 µg

Developed using the ECL technique.

Predicted band size: 78 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-Nicastrin antibody - C-terminal (ab226299)

Nicastrin was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (prepared using RIPA lysis buffer; 1 mg for IP, 20% of IP loaded) with ab226299 at 6 µg per reaction. Western blot was performed from the immunoprecipitate using ab226299 at 1 µg/ml.

Lane 1: ab226299 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 3 minutes.

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