

Datasheet for ABIN3031996
anti-Nicastrin antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	Nicastrin (NCSTN)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nicastrin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the N-terminus of human NCSTN (VIHVVEKEEDLQWVLTD) was used as the immunogen for this Nicastrin antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Nicastrin (NCSTN)
Alternative Name:	Nicastrin (NCSTN Products)
Background:	Nicastrin, also known as NCSTN, is a protein that is a part of the gamma secretase protein complex. It is mapped to 1q23.2. This gene is not catalytically active, but instead promotes the maturation and proper trafficking of the other proteins in the gamma secretase protein complex,

Target Details

all of which undergo significant post-translational modification before becoming active in the cell. NCSTN encodes a Type I transmembrane glycoprotein that is an integral component of the multimeric gamma-secretase complex. The encoded protein cleaves integral membrane proteins, including Notch receptors and beta-amyloid precursor protein, and may be a stabilizing cofactor required for gamma-secretase complex assembly. The cleavage of beta-amyloid precursor protein yields amyloid beta peptide, the main component of the neuritic plaque and the hallmark lesion in the brains of patients with Alzheimers disease. Nicastrin has also been identified as a regulator of neprilysin, an enzyme involved in the degradation of amyloid beta fragment.

UniProt: [Q92542](#)

Pathways: [Notch Signaling](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Nicastrin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

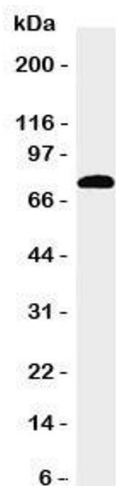
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

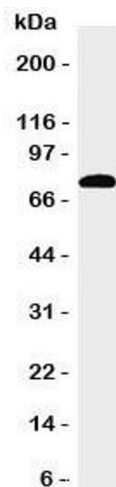
Storage: -20 °C

Storage Comment: After reconstitution, the Nicastrin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of Nicastrin antibody and rat brain lysate. Expected/observed size ~78KD



Western Blotting

Image 2. Western blot testing of Nicastrin antibody and rat brain lysate. Expected/observed size ~78KD