

# NCSTN rabbit monoclonal antibody

Catalog # H00023385-K

Size 100 ug x up to 3

## Specification

|                                |  |
|--------------------------------|--|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human NCSTN peptide using ARM Technology.  |
| <b>Immunogen</b>               | A synthetic peptide of human NCSTN is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.  |
| <b>Host</b>                    | Rabbit   |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).   |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.  |
| <b>Reactivity</b>              | Human  |
| <b>Purification</b>            | Protein A  |
| <b>Isotype</b>                 | IgG  |
| <b>Quality Control Testing</b> | Antibody reactive against human NCSTN peptide by ELISA and mammalian transfected lysate by Western Blot.   |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4  |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — NCSTN

|                     |  |
|---------------------|--|
| Entrez GeneID       | <a href="#">23385</a>  |
| GeneBank Accession# | <a href="#">NCSTN</a>  |
| Gene Name           | NCSTN  |
| Gene Alias          | APH2, KIAA0253   |
| Gene Description    | nicastrin  |
| Omim ID             | <a href="#">605254</a>   |
| Gene Ontology       | <a href="#">Hyperlink</a>  |
| Gene Summary        | This gene 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 Alzheimer's disease; however, the nature of the encoded protein's role in Alzheimer's disease is not known for certain. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined. [provided by RefSeq] |
| Other Designations  | ATAG1874 OTTHUMP00000031839 anterior pharynx-defective 2   |

## Pathway

- [Notch signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)

- [Intelligence Tests](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Werner syndrome](#)