

# BACE1 rabbit monoclonal antibody

Catalog # H00023621-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human BACE1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human BACE1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BACE1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 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 — BACE1

Entrez GeneID [23621](#)

GeneBank Accession# [BACE1](#)

Gene Name BACE1

Gene Alias ASP2, BACE, FLJ90568, HSPC104, KIAA1149

Gene Description beta-site APP-cleaving enzyme 1

Omim ID [604252](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein (APP) by two proteases, one of which is the protein encoded by this gene. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease that is found mainly in the Golgi. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

**Other Designations** APP beta-secretase|aspartyl protease 2|beta-secretase|beta-site amyloid beta A4 precursor protein-cleaving enzyme|beta-site amyloid precursor protein cleaving enzyme|memapsin-2|membrane-associated aspartic protease 2|transmembrane aspartic proteinase Asp2

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