

# BACE2 rabbit monoclonal antibody

Catalog # H00025825-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human BACE2 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human BACE2 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 BACE2 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. 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 — BACE2

Entrez GeneID	<a href="#">25825</a>
GeneBank Accession#	<a href="#">BACE2</a>
Gene Name	BACE2
Gene Alias	AEPLC, ALP56, ASP1, ASP21, BAE2, CDA13, CEAP1, DRAP
Gene Description	beta-site APP-cleaving enzyme 2
Omim ID	<a href="#">605668</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease and a frequent complication of Down syndrome. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein by 2 proteases, one of which is the protein encoded by this gene. This gene localizes to the 'Down critical region' of chromosome 21. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease. Three transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	56 kDa aspartic-like protease Down syndrome region aspartic protease aspartyl protease 1 beta secretase 2 beta-site amyloid beta A4 precursor protein-cleaving enzyme 2 memapsin-1 membrane-associated aspartic protease 1 transmembrane aspartic proteinase As

## Disease

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