

**BACE1 Rabbit mAb**  
**Catalog # AP75137****Specification****BACE1 Rabbit mAb - Product Information**

Application	WB, IP
Primary Accession	<a href="#">P56818</a>
Reactivity	Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	55748

**BACE1 Rabbit mAb - Additional Information****Gene ID** 23821**Other Names**

Bace1

**Dilution**

WB~~1/500-1/1000

IP~~N/A

**Format**

Liquid

**BACE1 Rabbit mAb - Protein Information****Name** Bace1 {ECO:0000312|MGI:MGI:1346542}**Synonyms** Bace**Function**

Responsible for the proteolytic processing of the amyloid precursor protein (APP) (PubMed:<a href="http://www.uniprot.org/citations/29325091" target="\_blank">29325091</a>). Cleaves at the N-terminus of the A-beta peptide sequence, between residues 671 and 672 of APP, leads to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase (PubMed:<a href="http://www.uniprot.org/citations/29325091" target="\_blank">29325091</a>). Cleaves CHL1 (PubMed:<a href="http://www.uniprot.org/citations/29325091" target="\_blank">29325091</a>).

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:P56817}; Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network. Endoplasmic reticulum {ECO:0000250|UniProtKB:P56817}. Endosome. Late endosome. Early endosome. Cell surface. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P56817}. Membrane raft. Lysosome Recycling endosome. Cell projection, axon. Cell projection, dendrite. Note=Predominantly localized to the later

Golgi/trans-Golgi network (TGN) and minimally detectable in the early Golgi compartments. A small portion is also found in the endoplasmic reticulum, endosomes and on the cell surface (By similarity). Colocalization with APP in early endosomes is due to addition of bisecting N-acetylglucosamine which blocks targeting to late endosomes and lysosomes (PubMed:25592972). Retrogradely transported from endosomal compartments to the trans-Golgi network in a phosphorylation- and GGA1- dependent manner (By similarity) {ECO:0000250|UniProtKB:P56817, ECO:0000269|PubMed:25592972}

#### Tissue Location

Expressed in the brain, specifically in neurons and astrocytes (at protein level).

#### BACE1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### BACE1 Rabbit mAb - Images

