

Rabbit BACE Polyclonal Antibody | anti-BACE antibody

BACE Antibody

CATALOG # AAA327248	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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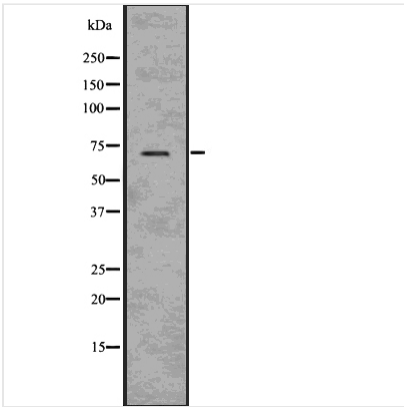
PRODUCT SYNONYMS

BACE; Polyclonal Antibody; BACE Antibody; APP beta secretase; Asp 2; ASP2; Aspartyl protease 2; BACE 1; BACE1; BACE1_HUMAN; Beta secretase 1; Beta secretase; Beta site amyloid beta A4 precursor protein cleaving enzyme; Beta site amyloid precursor protein cleaving enzyme 1; Beta site amyloid precursor protein cleaving enzyme; Beta site APP cleaving enzyme 1; Beta site APP cleaving enzyme; Beta-secretase 1; Beta-site amyloid precursor protein cleaving enzyme 1; Beta-site APP cleaving enzyme 1; FLJ90568; HSPC104; Memapsin 2; Memapsin-2; Memapsin2; Membrane associated aspartic protease 2; Membrane-associated aspartic protease 2; Transmembrane aspartic proteinase Asp2; anti-BACE antibody

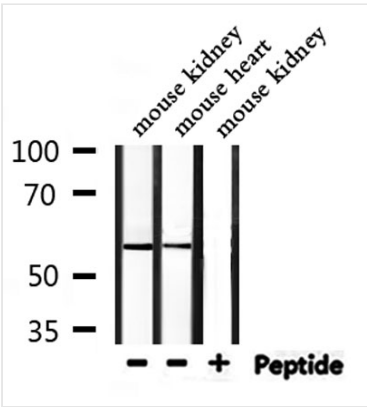
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BACE antibody detects endogenous levels of total BACE
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-BACE antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human BACE
Subcellular Location	Membrane. Golgi Apparatus > Trans-Golgi network. Endoplasmic Reticulum. Endosome. Cell Surface. 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.
Tissue Specificity	Expressed at high levels in the brain and pancreas. In the brain, expression is highest in the substantia nigra, locus coruleus and medulla oblongata.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (93%), Bovine (93%), Horse (93%), Sheep (93%), Rabbit (93%), Dog (93%), Chicken (87%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of BACE using HeLa whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from mouse kidney, mouse heart, using BACE Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE antibody	Function: Responsible for the proteolytic processing of the amyloid precursor protein (APP). 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. Subunit Structure: Monomer. Interacts with GGA1, GGA2 and GGA3. Interacts with RTN3 and RTN4. Interacts with SNX6. Interacts with PCSK9. Interacts with NAT8 and NAT8B. Post-translational Modifications: N-Glycosylated. Acetylated in the endoplasmic reticulum at Lys-126, Lys-275, Lys-279, Lys-285, Lys-299, Lys-300 and Lys-307. Acetylation by NAT8 and NAT8B is transient and deacetylation probably occurs in the Golgi. Acetylation regulates the maturation, the transport to the plasma membrane, the stability and the expression of the protein. Palmitoylation mediates lipid raft localization. Similarity: The transmembrane domain is necessary for its activity. It determines its late Golgi localization and access to its substrate, APP. Belongs to the peptidase A1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333755186
NCBI GeneID	23621
NCBI Accession #	NP_001193978.1
NCBI GenBank Nucleotide #	NM_001207049.1
UniProt Accession #	P56817; Q9BYB9; Q9BYC0; Q9BYC1; Q9UJT5; Q9ULS1; A0M8W7; B0YIU9; E9PE65; H7BXJ9
Molecular Weight	Observed: 70 kDa Predicted: 56 kDa
NCBI Official Full Name	beta-secretase 1 isoform F
NCBI Official Synonym Full Names	beta-secretase 1
NCBI Official Symbol	BACE1
NCBI Official Synonym Symbols	ASP2; BACE; HSPC104
NCBI Protein Information	beta-secretase 1
UniProt Protein Name	Beta-secretase 1
UniProt Gene Name	BACE1
UniProt Synonym Gene Names	BACE; KIAA1149; ASP2; Asp 2; Beta-site APP cleaving enzyme 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bace-antibody-western-blot-elisa/327248>