

Rabbit anti-Human, Mouse BACE1B Polyclonal Antibody | anti-BACE1 antibody

BACE1B Antibody (Center)

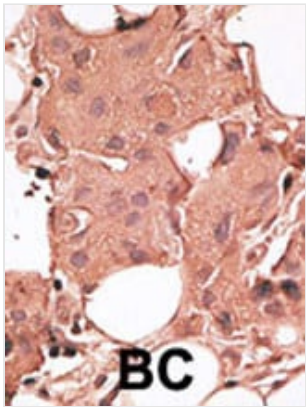
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290690	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

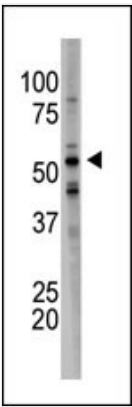
BACE1B; Polyclonal Antibody; BACE1B Antibody (Center); Beta-secretase 1; Aspartyl protease 2; ASP2; Asp 2; Beta-site amyloid precursor protein cleaving enzyme 1; Beta-site APP cleaving enzyme 1; Memapsin-2; Membrane-associated aspartic protease 2; BACE1; BACE; KIAA1149; anti-BACE1 antibody

PRODUCT SPECIFICATIONS

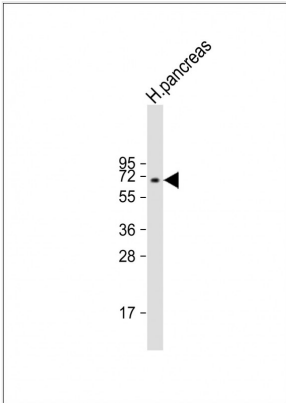
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Ig
Specificity	This BACE1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-198 amino acids from the Central region of human BACE1B.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	376
Applicable Applications for anti-BACE1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Membrane; Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network. Endoplasmic reticulum. Endosome. Cell surface. Cytoplasmic vesicle membrane. 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.
Tissue Location	Expressed at high levels in the brain and pancreas. In the brain, expression is highest in the substantia nigra, locus coruleus and medulla oblongata.
Antigen Region	169-198 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-BACE1B Ctr Pab is used in Western blot to detect BACE1B in mouse brain tissue lysate.



WB (Western Blot)
Anti-BACE1B Antibody (Y184) at 1:1000 dilution + human pancreas lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 56 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE1 antibody	Description: 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 BACE1. 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. Background: 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.
Product Categories/Family for anti-BACE1 antibody	Primary Antibodies; Cell Biology; Neuroscience
References	Christensen, M.A., et al., Mol. Cell. Biol. 24 (2):865-874 (2004). Lichtenthaler, S.F., et al., J. Biol. Chem. 278 (49):48713-48719 (2003). Hussain, I., et al., J. Biol. Chem. 278 (38):36264-36268 (2003). Basi, G., et al., J. Biol. Chem. 278 (34):31512-31520 (2003). Clarimon, J., et al., J. Neurol. 250 (8):956-961 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	333755186
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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	55711 Da
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
UniProt Entry Name	BACE1_HUMAN

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://www.aaabiotech.com/polyclonal/bace1b-antibody-immunohistochemistry-western-blot-elisa/290690>