

Rabbit BACE1 Polyclonal Antibody | anti-BACE1 antibody

BACE1 Antibody (N-term)

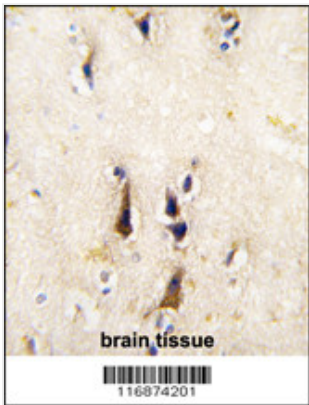
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286328	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

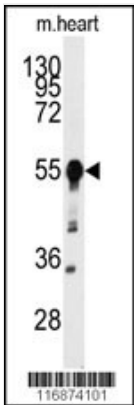
BACE1; Polyclonal Antibody; BACE1 Antibody (N-term); Beta-secretase 1; Aspartyl protease 2; ASP2; Asp 2; Beta-site amyloid precursor protein cleaving enzyme 1; Beta-site APP cleaving enzyme 1; Memapsin-2; Membrane-associated aspartic protease 2; BACE; KIAA1149; anti-BACE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BACE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-70 amino acids from the N-terminal region of human BACE1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	38-70
Sequence Length	376
Applicable Applications for anti-BACE1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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 brain tissue reacted with BACE1 antibody (N-term), 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.



WB (Western Blot)
Western blot analysis of anti-BACE1 Antibody (N-term) in mouse heart tissue lysates (35ug/lane). BACE1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE1 antibody	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 BACE. This 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.
Product Categories/Family for anti-BACE1 antibody	Cell biology; Neuroscience
References	Xie, J., et al., J. Biol. Chem. 280(14):13824-13832 (2005). He, X., et al., J. Biol. Chem. 280(12):11696-11703 (2005). Huang, X.P., et al., J. Biol. Chem. 279(36):37886-37894 (2004). Chiocco, M.J., et al., J. Biol. Chem. 279(50):52535-52542 (2004). Yang, H.C., et al., J. Neurochem. 91(6):1249-1259 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	333755186
NCBI GeneID	23621
NCBI Accession #	NP_001193978.1; NP_036236.1; NP_620427.1; NP_620428.1; NP_620429.1
NCBI GenBank Nucleotide #	NM_001207049.1
UniProt Accession #	P56817; Q9BYB9; Q9BYC0; Q9BYC1; Q9UJT5; Q9ULS1; A0M8W7; B0YIU9; E9PE65; H7BXJ9
Molecular Weight	55711
NCBI Official Full Name	beta-secretase 1 isoform F
NCBI Official Synonym Full Names	beta-site APP-cleaving enzyme 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/bace1-antibody-immunohistochemistry-western-blot-elisa/286328>