

Rabbit anti-Human, Mouse BACE Polyclonal Antibody | anti-BACE antibody

BACE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305920	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

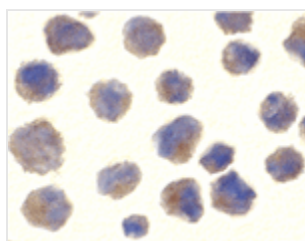
PRODUCT SYNONYMS

BACE; Polyclonal Antibody; BACE Antibody; Asp; anti-BACE antibody

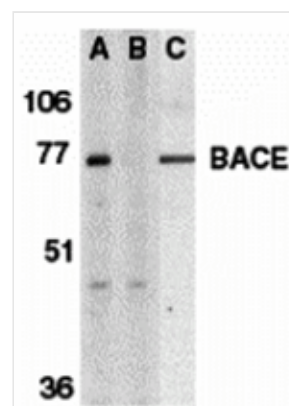
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Ion exchange chromatography purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	2526
Applicable Applications for anti-BACE antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 17 amino acids at the carboxy terminus of human BACE.
Target Name	BACE
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of BACE in 3T3 cells with BACE antibody at 10 ug/mL.


WB (Western Blot)

Western blot analysis of BACE in human brain tissue lysate in the absence (A) or presence (B) of blocking peptide (2253P) and in mouse 3T3 cell lysate (C) with BACE antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE antibody	Accumulation of the amyloid-beta (Abeta) plaque in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. Abeta peptide is generated by proteolytic cleavage of the beta-amyloid protein precursor (APP) at beta- and gamma-sites by two proteases. APP is first cleaved by beta-secretase, producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for gamma-secretase to generate the 4 kDa amyloid-beta peptide, which is deposited in the brains of all suffers of Alzheimer's disease. The long-sought beta-secretase was recently identified by several groups independently and designated beta-site APP cleaving enzyme (BACE) and aspartyl protease 2 (Asp2). BACE/Asp2 is a novel transmembrane aspartic protease and colocalizes with APP.
Product Categories/Family for anti-BACE antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6118538
NCBI GeneID	23621
Molecular Weight	42,107 Da
NCBI Official Full Name	Homo sapiens beta-site APP cleaving enzyme (BACE) mRNA, complete cds
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://stage.aaabiotech.com/polyclonal/bace-antibody-immunocytochemistry-western-blot-elisa/305920>