

Rabbit anti-Human BACE2 Polyclonal Antibody | anti-BACE2 antibody

BACE2 Antibody (Center)

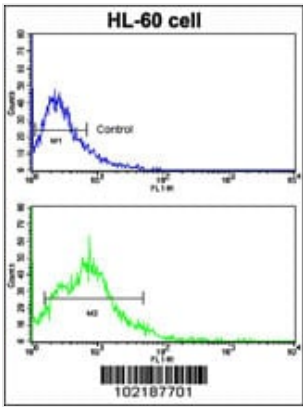
CATALOG # AAA290417	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

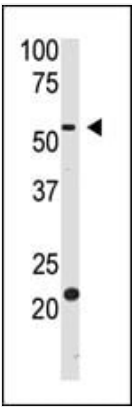
BACE2; Polyclonal Antibody; BACE2 Antibody (Center); Beta-secretase 2; Aspartic-like protease 56 kDa; Aspartyl protease 1; ASP1; Asp 1; Beta-site amyloid precursor protein cleaving enzyme 2; Beta-site APP cleaving enzyme 2; Down region aspartic protease; DRAP; Memapsin-1; Membrane-associated aspartic protease 1; Theta-secretase; AEPLC; ALP56; ASP21; anti-BACE2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BACE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-365 amino acids from the Central region of human BACE2.
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	336-365
Sequence Length	423
Applicable Applications for anti-BACE2 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HL-60 cells using BACE2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
The anti-BACE2 Ctr Pab is used in Western blot to detect BACE2 in HL60 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE2 antibody	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease and a frequent complication of Down syndrome. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein by 2 proteases, one of which is the protein encoded by BACE2. This gene localizes to the 'Down critical region' of chromosome 21. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease.
Product Categories/Family for anti-BACE2 antibody	Cell biology; Neuroscience
References	Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). Basi, G., et al., J. Biol. Chem. 278(34):31512-31520 (2003). Barbiero, L., et al., Exp. Neurol. 182(2):335-345 (2003). Shi, X.P., et al., J. Biol. Chem. 278(23):21286-21294 (2003). Kondoh, K., et al., Breast Cancer Res. Treat. 78(1):37-44 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923395
NCBI GeneID	25825
NCBI Accession #	NP_036237.2; NP_620476.1; NP_620477.1
NCBI GenBank Nucleotide #	NM_012105.4
UniProt Accession #	Q9Y5Z0; Q5DIH8; Q8N2D4; Q9H2V8; Q9NZL1; Q9NZL2; Q9UJT6; A8K7P1
Molecular Weight	56180
NCBI Official Full Name	beta-secretase 2 isoform A preproprotein
NCBI Official Synonym Full Names	beta-site APP-cleaving enzyme 2
NCBI Official Symbol	BACE2
NCBI Official Synonym Symbols	ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1
NCBI Protein Information	beta-secretase 2
UniProt Protein Name	Beta-secretase 2
UniProt Gene Name	BACE2

UniProt Synonym Gene Names	AEPLC; ALP56; ASP21; ASP1; Asp 1; Beta-site APP cleaving enzyme 2; DRAP
UniProt Entry Name	BACE2_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/bace2-antibody-flow-cytometry-western-blot-elisa/290417>