

Rabbit BACE2 Polyclonal Antibody | anti-BACE2 antibody

BACE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39855	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

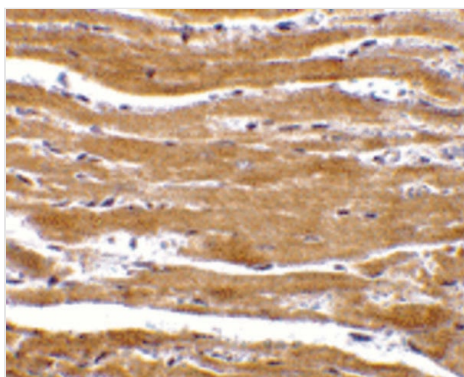
PRODUCT SYNONYMS

BACE2; Polyclonal Antibody; BACE2 Antibody; ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1; UNQ418/PRO852; Beta-secretase 2; Aspartic-like protease 56 kDa; beta-site APP-cleaving enzyme 2; anti-BACE2 antibody

PRODUCT SPECIFICATIONS

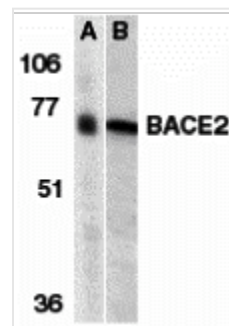
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	BACE2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Sequence Length	518
Applicable Applications for anti-BACE2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	BACE2 antibody was raised against a 16 amino acid peptide near the amino terminus of human BACE2.
Buffer	BACE2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	BACE2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



IHC (Immunohistochemistry)

Immunohistochemistry of BACE2 in mouse heart with BACE2 antibody at 10 µg/mL.



WB (Western Blot)

Western blot analysis of BACE2 in (A) human and (B) mouse heart tissue lysates with BACE2 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE2 antibody	BACE2 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 proteases. 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). A BACE homolog was recently cloned and designated BACE2, Asp1, DRAP (for Down region aspartic protease), and memapsin 1. BACE2 also cleaves APP at beta-site and at a different site within Abeta. BACE2 locates on chromosome 21q22.3, the so-called 'Down critical region', suggesting that BACE2 and Abeta may also contribute to the pathogenesis of Down syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6561812
NCBI GeneID	25825
UniProt Accession #	Q9Y5Z0; Q5DIH8; Q8N2D4; Q9H2V8; Q9NZL1; Q9NZL2; Q9UJT6; A8K7P1
Molecular Weight	46,476 Da
NCBI Official Full Name	aspartyl protease 1
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; memapsin-1; theta-secretase; aspartyl protease 1; 56 kDa aspartic-like protease; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid beta A4 precursor protein-cleaving enzyme 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.