

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

BACE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304100	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

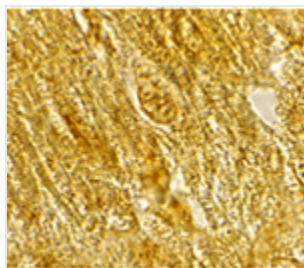
PRODUCT SYNONYMS

BACE2; Polyclonal Antibody; BACE2 Antibody; Asp2; anti-BACE2 antibody

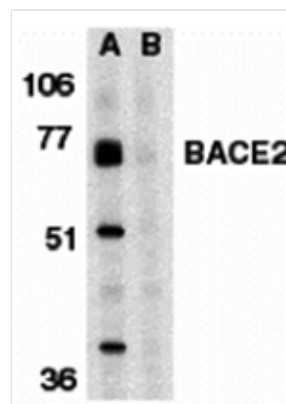
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	518
Applicable Applications for anti-BACE2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human BACE2.
Target Name	BACE2
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


IHC (Immunohistochemistry)

Immunohistochemistry of BACE2 in rat heart tissue with BACE2 antibody at 2 ug/mL.


WB (Western Blot)

Western blot analysis of BACE2 in human heart tissue lysate in the absence (A) or presence (B) of blocking peptide with BACE2 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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). BACE/Asp2 is a novel transmembrane aspartic protease and co-localizes with APP. A BACE homolog was recently cloned and designated BACE2, Asp1, DRAP (for Down region aspartic protease), and memapsin 1. BACE2 also cleaves APP at b-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.
Product Categories/Family for anti-BACE2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6561812
NCBI GeneID	25825
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
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-immunohistochemistry-western-blot-elisa/304100>