

Rabbit BACE1 Polyclonal Antibody | anti-BACE1 antibody

BACE1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199756	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Immunofluorescence, Western Blot, Immunohistochemistry

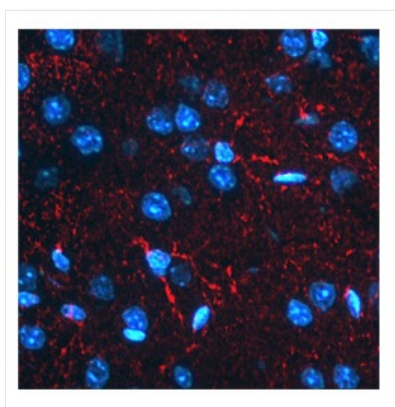
PRODUCT SYNONYMS

BACE1; Polyclonal Antibody; BACE1 antibody - N-terminal region; anti-BACE1 antibody

PRODUCT SPECIFICATIONS

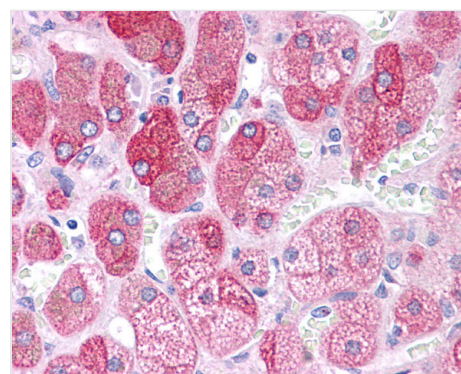
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: GQ GYYVENTVGS PPQTLNILVD TGSSNFAVGA APHPFLHRYR QRQLSSTY
Sequence Length	501
Applicable Applications for anti-BACE1 antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 91%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human BACE1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescent BACE1 detection in mouse astrocytes (red fluorescence). Nuclei were stained with DAPI (blue fluorescence). Working Dilution: 2-10 ug/ml



IHC (Immunohistochemistry)

Sample Type: Human Adrenal Anti-BACE1 antibody IHC of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-BACE1 antibody	This is a rabbit polyclonal antibody against BACE1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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 the protein. BACE1, 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.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 the protein encoded by this gene. The encoded 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. Four transcript variants encoding different isoforms have been described for this gene.
Product Categories/Family for anti-BACE1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Neuroscience; Membrane & Traffic; Disease Related; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912266
NCBI GeneID	23621
NCBI Accession #	NP_036236
NCBI GenBank Nucleotide #	NM_012104
UniProt Accession #	P56817
Molecular Weight	51kDa
NCBI Official Full Name	beta-secretase 1 isoform A preproprotein
NCBI Official Synonym Full Names	beta-secretase 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
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-immunofluorescence-western-blot-immunohistochemistry-elisa/199756>