

Mouse BACE1 Monoclonal Antibody | anti-BACE1 antibody

BACE1 (beta-site APP-cleaving Enzyme 1, ASP2, BACE, FLJ90568, HSPC104, KIAA1149) (AP)

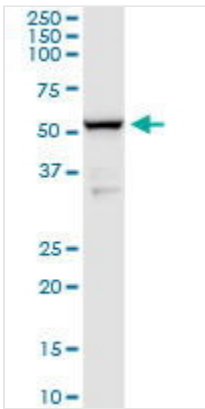
CATALOG # AAA26019	HOST Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

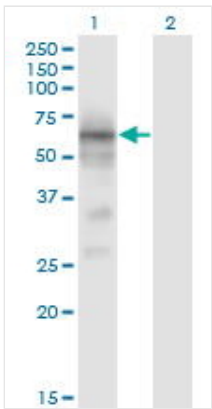
BACE1; Monoclonal Antibody; BACE1 (beta-site APP-cleaving Enzyme 1; ASP2; BACE; FLJ90568; HSPC104; KIAA1149) (AP); beta-site APP-cleaving Enzyme 1; KIAA1149; anti-BACE1 antibody

PRODUCT SPECIFICATIONS

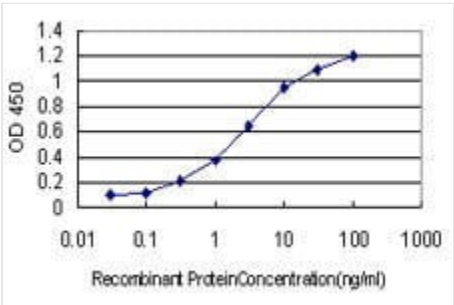
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C1
Specificity	Recognizes BACE1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Sequence Length	501
Applicable Applications for anti-BACE1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	BACE1 (AAH65492, 22aa-501aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TQHGI RLPLR SGLGGAPLGLRLPRETDEEPEEPGRGGSFVEMVDNLRGKSGQGYVEMTVGSP PQTLN ILVDTGSSNFAVGAAPHFLHRY YQRQLSST
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to use.



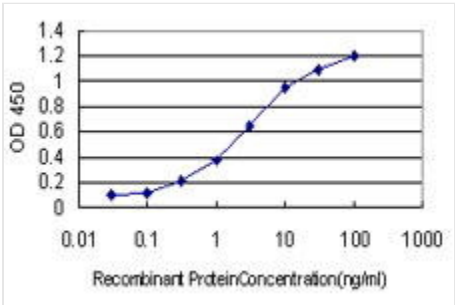
WB (Western Blot)
BACE1 monoclonal antibody (M02), clone 2C1. Western Blot analysis of BACE1 expression in rat testis.



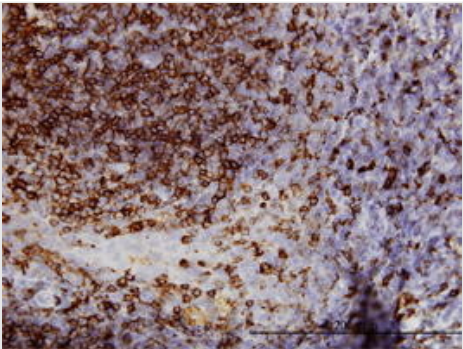
WB (Western Blot)
Western Blot analysis of BACE1 expression in transfected 293T cell line by BACE1 monoclonal antibody (M01), clone 2C1. Lane 1: BACE1 transfected lysate(52.9 KDa). Lane 2: Non-transfected lysate.



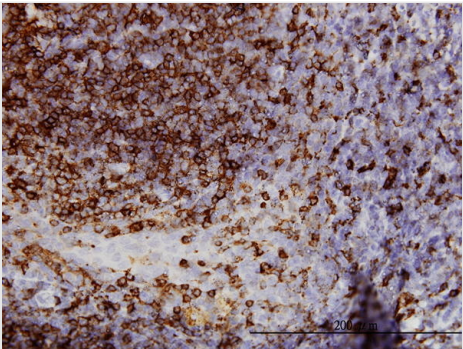
Application Data
Proximity Ligation Analysis of protein-protein interactions between MMP2 and BACE1. HeLa cells were stained with anti-MMP2 rabbit purified polyclonal 1:1200 and anti-BACE1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Application Data
Detection limit for recombinant GST tagged BACE1 is approximately 0.03ng/ml as a capture antibody.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to BACE1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Application Data
Immunoperoxidase of monoclonal antibody to BACE1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-BACE1 antibody	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. [provided by RefSeq]
Product Categories/Family for anti-BACE1 antibody	Antibodies; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	41350854
NCBI GeneID	23621
NCBI Official Full Name	Beta-site APP-cleaving enzyme 1
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

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/monoclonal/bace1-antibody-clone-2c1-immunohistochemistry-western-blot-elisa/26019>