

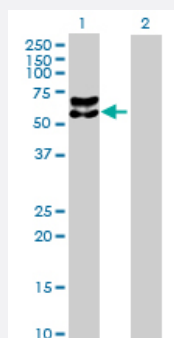
MaxPab®

BACE1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00023621-D01P

Size 100 ug

Applications

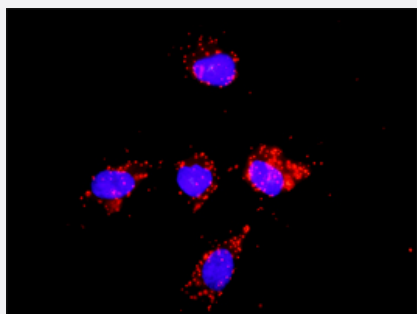


Western Blot (Transfected lysate)

Western Blot analysis of BACE1 expression in transfected 293T cell line ([H00023621-T01](#)) by BACE1 MaxPab polyclonal antibody.

Lane 1: BACE1 transfected lysate(52.90 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BACE1 and CSNK1D. HeLa cells were stained with anti-BACE1 rabbit purified polyclonal 1:1200 and anti-CSNK1D mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human BACE1 protein.

Immunogen

BACE1 (NP_620428.1, 1 a.a. ~ 476 a.a) full-length human protein.

Sequence

MAQALPWLLLWMGAGVLP AHGTQH GIRLPLRSGLG GAGPLGLRLPRETDEEPEEPGRRGSFVEM
VDNLRGKSGQGYVEMTVGSPQTLN LVD TGSSNFAVGAAPHPFLHRYYQRQLSSTYRDLRKGV
YVPYTQGWEGELGTDLVSI PHGPNVTVRANAAITESDKFFINGSNWEGILGLAYAEIARLCGAGF
PLNQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYVEIVRVEINGQDLKMDCKEYNYDKSIV
DSGTTNLRPLPKKVFEAAVKSIIKAASSTEKFPDGFVLGEQLVCWQAGTTPWNIFPVISLYLMGEVT
NQSFRTILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSA
CHVHDEFRTAAVEGPFVTLDMEDCGYNIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLR
CLRQQHDDFADDISLLK

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BACE1 expression in transfected 293T cell line ([H00023621-T01](#)) by BACE1 MaxPab polyclonal antibody.

Lane 1: BACE1 transfected lysate(52.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BACE1 and CSNK1D. HeLa cells were stained with anti-BACE1 rabbit purified polyclonal 1:1200 and anti-CSNK1D mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — BACE1

Entrez GeneID	23621
GeneBank Accession#	NM_138972
Protein Accession#	NP_620428.1
Gene Name	BACE1
Gene Alias	ASP2, BACE, FLJ90568, HSPC104, KIAA1149
Gene Description	beta-site APP-cleaving enzyme 1
Omim ID	604252
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

APP beta-secretase|aspartyl protease 2|beta-secretase|beta-site amyloid beta A4 precursor protein-cleaving enzyme|beta-site amyloid precursor protein cleaving enzyme|memapsin-2|membrane-associated aspartic protease 2|transmembrane aspartic proteinase Asp2

Disease

- [Alzheimer disease](#)
- [Amnesia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)