



Anti-BACE1 (N-terminal) polyclonal antibody (CPBT-66778RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rabbit anti Human BACE1 antibody recognizes human b-site amyloid precursor protein (APP)-cleaving enzyme 1, BACE1, detecting an epitope near the N-terminal region. , BACE1, also known as Beta-secretase 1, Aspartyl protease 2 or Memapsin-2 is a 501 amino acid ~75kDa single pass,type I integral membrane glycoprotein and aspartic protease. BACE1 is a member of the peptidase A1 protein family, and is predominantly expressed in the trans golgi network. BACE1 is expressed by neurons and astrocytes in the brain. BACE1 catalyzes the cleavage of beta APP at the extracellular, amino-terminal domain leading to the formation of amyloid beta peptide. Amyloid beta peptide is the major constituent of amyloid plaques in the brains of individuals afflicted with Alzheimer's disease.

Specificity	BACE1
Immunogen	Synthetic peptide corresponding to a sequence near N-terminus of human BACE1, conjugated to KLH.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Bovine, Gorilla, Hamster, Monkey, Mouse, Rat
Conjugate	Unconjugated
Applications	IHC-P
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.1% Sodium Azide

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	BACE1 beta-site APP-cleaving enzyme 1 [Homo sapiens (human)]
Official Symbol	BACE1
Synonyms	BACE1; beta-site APP-cleaving enzyme 1; ASP2; BACE; HSPC104; beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membr
Entrez Gene ID	23621
Protein Refseq	NP_001193977
UniProt ID	P56817
Chromosome Location	11q23.2-q23.3
Pathway	Alzheimers disease; Alzheimers Disease.
Function	aspartic-type endopeptidase activity; beta-amyloid binding; beta-aspartyl-peptidase activity; enzyme binding; protein binding;