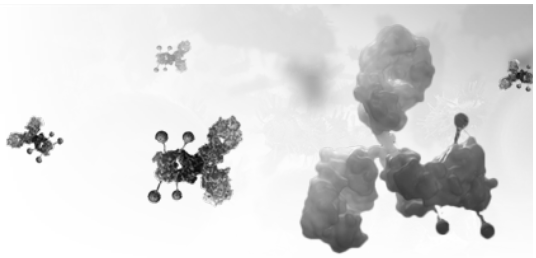

Mouse anti-Human BACE1 monoclonal antibody, clone 3D2 (CABT-B9831)

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

PRODUCT INFORMATION

Immunogen	BACE1 (AAH65492, 22 a.a. ~ 501 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Rat
Clone	3D2
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Sequence Similarities	TQHGIRLPLRSGLGGAPLGLRLPRETDEEPEEPGRRGSFVEMVDNLRGKSGQGYYVEMTV GSPPQTLNILVDTGSSNFAVGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGEL GTDLVSIPHGPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDSL VKQTHVPNLFSLQLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYYE VIIVRVEINGQDLKM
Format	Liquid
Buffer	In 1x PBS, pH 7.4
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimers 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. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011]
Keywords	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; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme;

GENE INFORMATION

Entrez Gene ID	23621
UniProt ID	P56817
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;
Function	aspartic-type endopeptidase activity; beta-aspartyl-peptidase activity; enzyme binding; peptidase activity;

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