



BACE2 Monoclonal Antibody

Catalog No	BYmab-07261
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	BACE2 AEPLC ALP56 ASP21 CDA13 UNQ418/PRO852
Protein Name	Beta-secretase 2 (EC 3.4.23.45) (Aspartic-like protease 56 kDa) (Aspartyl protease 1) (ASP1) (Asp 1) (Beta-site amyloid precursor protein cleaving enzyme 2) (Beta-site APP cleaving enzyme 2) (Down reg
Immunogen	Synthesized peptide derived from human protein . at AA range: 210-290
Specificity	BACE2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	56kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Golgi apparatus . Endoplasmic reticulum. Endosome.
Tissue Specificity	Brain. Present in neurons within the hippocampus, frontal cortex and temporal cortex (at protein level). Expressed at low levels in most peripheral tissues and at higher levels in colon, kidney, pancreas, placenta, prostate, stomach and trachea. Expressed at low levels in the brain. Found in spinal cord, medulla oblongata, substantia nigra and locus coeruleus. Expressed in the ductal epithelium of both normal and malignant prostate.
Function	catalytic activity:Broad endopeptidase specificity. Cleaves Glu-Val-Asn-Leu-[Asp-Ala-Glu-Phe in the Swedish variant of Alzheimer's amyloid precursor protein.,similarity:Belongs to the peptidase A1 family.,subunit:Interacts ith RTN3 and RTN4.,

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Background	This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimer's disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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