AibGenesis™ Mouse Anti-BACE2 Antibody (CBMOAB-36733FYA)

Cat. No.: CBMOAB-36733FYA

Specifications

Host species	Mouse (*Mus musculus*)
Clone	MO36733FYA
Specificity	This antibody binds to Rhesus BACE2.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	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. (From NCBI)
Product Overview	Mouse Anti-Rhesus BACE2 Antibody is a mouse antibody against BACE2. It can be used for BACE2 detect ion in Western Blot, Enzyme-Linked Immunosorbent Assay.
Protein Refseq	The length of the protein is 518 amino acids long. The sequence is show below: MGALARALLLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVVAPTPGPGTP AERRADGL ALALEPALESAAGAANFLAMVDNLQGDSGRGYYLEMLIGTPPQKLQILVDTGSSNFAVAG APH

SYIDTYFDTERSSTYRSKGFDVTVKYTQGSWTGFVGEDLVTIPKGFNSSFLVNIATI FESENFFLPGIKWNGI LGLAYATLAKPSSSLETFFDSLVTQANIPNVFSMQMCGAGLPVA GSGTNGGSLVLGGIEPSLYKGDIWYTPI KEEWYYQIEILKLEIGGQSLNLDCREYNADKA IVDSGTTLLRLPQKVFDAVVEAVARASLIPEFSDGFWTGS QLACWTNSETPWSYFPKISI YLRDENSSRSFRITILPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVME GFYVIFD RARKRVGFAASPCAEIAGAAVSEVSGPFSTEDIASNCVPAQSLSEPILWIVSYALMSVCG AILLVLI VLLLLPFRCQRRPRDPEVVNDESSLVRHRWK.

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
CBMOAB-67365FYA	Monoclonal	Zebrafish (*Danio rerio*)	WB, ELISA	MO67365FYA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 462 amino acids long.

The sequence is show below: LQKNEAAAKSGLSLASDPAGIVNFLDMINNLKGDSGRGYYMQMIIGTPGQTLNILVDTGSSNFAVAAAAHPYITHYF NRALSSTYQSTEK AVAVKYTQGEWEGELGTDLITIPEGPSGAITINIAAILTSEGFFLPGINWQGILGLAYPLLARPDPSVEPFFNSVVRQTGIPDVFS LQMC GAGVPASTTGDPAGGSLIMGGVEPTLHRGPIWYTPVLEEWYYQVEVLKLEVGDQNLNLDCKEYNSDKAIVDSGTTLLRLPANVFTAVVDT I MQTSLIDDFSAGFFDGTKLACWMRGESPWRFFPKVSIYLRGTNTSQSFRITILPQLYIQPVTDIDGTLDCFRFGISPSANGLVIGATVM EGFYVIFD RAQKRVGFAVSTCAENGGVPFAEIAGPFLAEGVASDCTSGMTLREPVMWVIAYTLMGVCAVVLIILLVLLILPCRRHRDDEI TDESSLVRHRIK.

MO-AB-00257Y	Monoclonal	Chicken (*Gallus gallus*)	WB, ELISA	MO00257Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 392 amino acids long. The sequence is show below: HLLLNTELSSTYQSQGIEVTVKYSQGSWTG VLGTDVVTIPKGIDGRYTINIATILESENFFLPGVKWHGILGLAYDTLAKPSSSVETFFD SLVKQAKIPNIFSLQMCGAGLPVSGSGTNGGSLVLGGIE PSLYKGNIWYTPIKEEWYYQVEILKLEVGGQNLELDCREYNADKAIVDSGT TLLRLPQKVFGAVVQAIARTSLIQEFSSGFWSGSQLACWDKTER PWSLFPKLSIYMRDENSSRSFRISILPQLYIQPILGIGENLQCYRF GISSSTNALVIGATVMEGFYVIFDRAQRRVGFAVSPCAEVDGSPVSEIEGPF TTTDVASNCVSSITFHEPVLWIASYALMSLCGIILLIL IILLLIPPRCQHRYTDNDVVNDESSLVRHRWK.

MO-AB-01795H	Monoclonal	Frog (*Xenopus laevis*)	WB, ELISA	MO01795C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 500 amino acids long.

The sequence is show below: MKVPLVRLLLLCAAACASNKFIVPLNVSPAEIKGTLPVAPATPKDKPGLLLASDPGGTINFFSMVDNLAGDSGRGYY LELLIGSPPQKVN ILVDTGSSNFAVAGSPNPDVNTFFDSKLSTSYQSLNTEVTVRYTQGSWTGLLGKDVVSIPKGVNGTFLINIASIFQSESFFLPNI NWQGI LGLAYSTLAKPSSSVEPFFDSLVQQENIPDVFSMQMCGAGQSSPGNGINAGSLVLGGVEPSLYKGNIWYTPITEEWYYQVEVLKFEVGG Q RLNLDCTVYNSDKAIVDSGTTLLRLPDKVFNAMVDAIVQTSLIQNFNAEFWAGLQLACWDKTQQPWNYFPDISIYLRDTNTSRSFRLTLK PQLYI

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
QSVLTFQESLNCFRFGISQSASTLVIGATVMEGFYVIFDRAEKRVGFAVSSCAEVSGITVSEIAGPFGTSDVSSNCIARNPLREP IMWIISYSLMSLC GMILLVLVILLLLSNRQRHDDMETINDESSLVQHRWK.						
MO-AB-17421W	Monoclonal	Chimpanzee (*Pan troglodytes*)	WB, ELISA	MO17421W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 518 amino acids long.

The sequence is show below: MGALARALLLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVVAPTPGPGTPAERHADGLALALEPALASPAGAAN FLAMVDNLQGDSGR GYYLEMLIGTPPQKLQILVDTGSSNFAVAGTPHSYIDTYFDTERSSTYRSKGFDVTVKYTQGSWTGFVGEDFVTIPKGFNT SFLVNIATI FESENFFLPGIKWNGILGLAYATLAKPSSSLETFFDSLVTQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDIWYTPIK E EWYYQIEILKLEIGGQSLNLDCREYNADKAIVDSGTTLLRLPQKVFDAVVEAVARASLIPEFSDGFWTGSQLACWTNSETPWSYFPKISI YLRDE NSSRSFRITILPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFDRAQKRVGFAASPCAEIAGAAVSEISGPFST EDVASNCVPAQS LSEPILWIVSYALMSVCGAILLVLIVLLLLPFRCQRRPRDPEVVNDESSLVRHRWK.

MO-AB-51712W	Monoclonal	Marmoset	WB, ELISA	MO51712W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 518 amino acids long.

The sequence is show below: MGALARALLLPLLAQWLLRAAPELAPAPFTLPLRVATATNRAAAPTSGPGTPAERRADGLALALEPALESAAGSAN FLAMVDNLQGDSGR GYYLEMLIGTPPQKLQILVDTGSSNFAVAGAPHSYIDTYFDTERSSTYRSKGFDVTVKYTQGSWTGFVGEDLVTIPKGFNS SFLVNIATI FESENFFLPGIKWNGILGLAYATLAKPSSSLETFFDSLVKQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDIWYTPIK E EWYYQIEILKLEIGGQSLNLDCREYNADKAIVDSGTTLLRLPQKVFDAVVEAVARASLIPEFSDGFWTGSQLACWANSETPWSYFPKISI YLRDE NSSRSFRLTILPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFDRARKRVGFAASPCAEIAGAAVSEISGPFST EDVASNCVPAQS LSEPILWIVSYALMSVCGAILLVLIVLLLLPFRCQHRPRDPEIVNDESSLVRHRWK.