

AibGenesis™ Mouse Anti-ADCY6 Antibody (CBMOAB-35198FYA)

Cat. No.: CBMOAB-35198FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO35198FYA
Specificity	This antibody binds to Rhesus ADCY6.
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
Cellular Localization	Plasma Membrane; Other locations

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 a member of the adenylyl cyclase family of proteins, which are required for the synthesis of cyclic AMP. All members of this family have an intracellular N-terminus, a tandem repeat of six transmembrane domains separated by a cytoplasmic loop, and a C-terminal cytoplasmic domain. The two cytoplasmic regions bind ATP and form the catalytic core of the protein. Adenylyl cyclases are important effectors of transmembrane signaling pathways and are regulated by the activity of G protein coupled receptor signaling. This protein belongs to a small subclass of adenylyl cyclase proteins that are functionally related and are inhibited by protein kinase A, calcium ions and nitric oxide. A mutation in this gene is associated with arthrogryposis multiplex congenita. (From NCBI)
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Product Overview

Mouse Anti-Rhesus ADCY6 Antibody is a mouse antibody against ADCY6. It can be used for ADCY6 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 1115 amino acids long.
The sequence is shown below: MSWFSGLLVPKVDERKTAWGERNGQKRSRRCGTRAGGFCTPRYMSCLRDAEPPSPTPAGP RCPWQDDAFIRGGPGKGKELGLRAVALGFEDTEVTTTVGGTAEVAPDAVPRSGRSCWR RLVQVFQSKQFRSAKLERLYQRYFFQMNQSSLTLLMAVLVLLTAVLLAFHAAPTRPQPAY VALLACAAALFLGLMVV CNRHSFRQDSMWVVS YVVLGILAAVQVGGALAADPRSPSAGLW CPVFFVYIAYTLLPIRMRAAVLSGLGLSTLHLILAWQLNRGDAFLWKQLGANVLLFLCTN VIGICTHYPAEVSQRQAFQETRGIYQARLHLQHENRQQRLLLSVLPQHVAMEMKEDINT KKEDMMFHKIYIQKHDNVSILFADIEGFTSLASQCTAQELVMTLNELFARFDKLAENHC LRIKILGDCYYCVSGLPEARADHAHCCVEMGVDMIEAISLVREVTGVNVNMRVGIHSGRV HCGVLGLRKWQFDVWSNDVTLANHMEAGGRAGRIHITRATLQYLN GDYEVEPGRGGGERNA YLKEQH IETFLILGASQKRKEEKAMLAQLRTRANSM EGLMPRWVPDRAFSRTKDSKAFR QMGIDSSKDNRG TQDALNPEDEVDEF LSR AIDARSIDQLRKDHVRRFLTTFQREDLEKK YSRKVDPRFGAYVACALLVFCFCIFQLLIFPHSTLMLGIYASIFLLLLIVLICAVYSC GSLFPKALQRLSRSIVRSRAHSTAVGIFS VLLVFTSAIANMYFIGSVLLSLLASSVFLHI SSIGKLAMV FVLGLIYLVLLLGP PATIFDNYDLLGVHGLASSNETFDGLDCAAGRVA LKYMTPVILLVFALALYLHAQQVESTARLDFLWKLQATGEKEEMEELQAYNRRLLHNILP KDVA AHFLARERRNDELYYQSCECVAVMFASIANFSEFYVELEANNEGVECLRL LNEIADFDEIIEERFRQLEKIKTIGSTYMAASGLNASTYDQVGRSHITALADYAMRLMEQMKHI NEHSFNNFQMKIGLNMGPV VAGVIGARKPQYDIWGNTVNVSSRMDSTGVPDRIQVTTDLY QVLAAGYQLECRGVVKVKGKGEMTTYFLNGGPSS.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
MO-AB-25040 W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)		WB, ELISA	MO25040 W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1168 amino acids long.
The sequence is shown below: MSWFSGLLVPKVDERKTAWGERNGQKRSRRRGTRAGGFCTPRYMSCLRDAEPPSPTPAGPPRCPWQDDAFIRRGGP GKGKELGLRAVALGFEDTEVTTTAGGTAEVAPDAVPRSGRSCWRRLVQVFQSKQFRSAKLERLYQRYFFQMNQSSLTLLMAVLVLLTVVLLAFHAAPARPHPAY VALLACAAALFVGLMVV CNRHSFRQDSMWVVS YVVLGILAAVQVGGALAADPRSPSAGLWCPVFFVYIAYTLLPIRMRAAVLSGLGLSTL HLILAWQLNRGDAFLWKQLGANVLLFLCTNVIGICTHYPAEVSQRQAFQETRGIYQARLHLQHENRQQRLLLSVLPQHVAMEMKEDINT KKEDMMFHKIYIQKHDNVSILFADIEGFTSLASQCTAQELVMTLNELFARFDKLAENHCLRIKILGDCYYCVSGLPEARADHAHCCVEM GVD MIEAISLVREVTGVNVNMRVGIHSGRVHCGVLGLRKWQFDVWSNDVTLANHMEAGGRAGRIHITRATLQYLN GDYEVEPGRGGGERNA YLKEQH IETFLILGASQKRKEEKAMLAQLRTRANSM EGLMPRWVPDRAFSRTKDSKAFRQMGIDSSKDNRG TQDALNPEDEVDEF LSR AIDARSIDQLRKDHVRRFLTTFQREDLEKKYSRKVDPRFGAYVACALLVFCFCIFQLLIFPHSTLMLGIYASIFLLLLIAVLICAVYSC GSLFPKALQRLSRSIVRSRAHSTAVGIFS VLLVFTSAIANMFTCNHTPIRTCAARMLNLTPADITACHLQQLNYSGLDAPLCEGTMPTC SFPEYFIGNM LLSLLASSVFLHISSIGKLAMIFVLGLIYLVLLLGP PATIFDNYDLLGVHGLASSNETFDGLDCAAGRVALKYMTPV ILLVFALALYLHAQQVESTARLDFLWKLQATGEKEEMEELQAYNRRLLHNILPKDVA AHFLARERRNDELYYQSCECVAVMFASIANFSEFYVELEANNEGVECLRL LNEIADFDEIIEERFRQLEKIKTIGST

Sub Cat	Clonalit y	Species Reactivity	Applicatio n	Clone	Conjugate	Size
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YMAASGLNASTYDQVGRSHITALADYAMRLMEQMKHINEHSFNN FQMKGILNMGPVVAGVIGARKPQYDIWGNTVNVSSRMDSTGVPDRIQVT
TDLYQVLAAGYQLECRGVVVKVGKGEMTTYFLNGGPSS.

MO-AB-28833	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO28833	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1165 amino acids long.

The sequence is show below: MSWFSGLLVPKVDERKTAWGERNGQKRPRRGTRTSGFCTPRYMSCLRDAQPPSPTPAAPPRCPWQDEAFIRRG
GGPGKGTELGLRAVALGF EDTEAMSAVGAAGGGPDVTPGSRWSCWRRLAQVFQSKQFRSAKLERLYQRYFFQMNQSSLTLLMAVLVLLTAVLLA
FHAAPARQPAYVA LLACAATLFVALMVVNCNRHSFRQDSMWVVSYYVLGILAAVQVGGALANPRSPSVGLWCPVFFVYITYTLLPIRMRAAVFS
GLGLSTLHL ILAWQLNRGDAFLWKQLGANMLLFLCTNVIGICTHYPAEVSQRQAFQETRGIYQARLHLPDENRQQRLLLSVLPQHVAMEMKEDI
NTKK EDMMFHKIYIQKHDNVLSILFADIEGFTSLASQCTAQELVMTLNELFARFDKLA AENHCLRIKILGDCYYCVSGLPEARADHAHCCVEMGV D
MIEAISLVREVTGVNVNMRVGIHSGRVHCGVLGLRKWQFDVWSNDVTLANHMEAAARAGRIHITRATLQYLN GDYEVEPGRGGERNAYLK EQHIE
TFLILGASQKRKEEKAMLA KLQRTRANSMEGLMPRWVPDRAFSRTKDSKA FRQMGIDDSSKDNRG AQDALNPEDEVDEF LGRAID ARSIDQLRK
DHVRRFLLTFQREDLEKKYSRKVDPRFGAYVACALLVFCFICFIQLLVFPHSTVMLGIYASIFVLLITVLTCAVYSCGSL FPKALRRLSRSIVRSRAH
STVVGIFSVLLVFTSAIANMFTCNHTPIRTCAARMLNVPADITACHLQQLNYS LGLDAPLCEGTAPTCSFP EYFVGNMLLSLLASSVFLHISSIGKL
AMIFVLGLIYLVLLL GPPSTIFDNYDLLGVHGLASSNDTFDGLDCPAAGRVALKYMTPVILL VFALALYLHAQQVESTARLDFLWKLQATGEKEEM
EELQAYNRRLHNL PKDVA AHFLARERRNDELYYQSCECVAVMFASIANFSEFYV ELEANNEGVECLRLLNEIADFDEIIEERFRQLEKIKTIGST
YMAASGLNASTYDQAGRSHITALADYAMRLMEQMKHINEHSFNNFQM KIGILNMGPVVAGVIGARKPQYDIWGNTVNVSSRMDSTGVPDRIQVT
TDLYQVLAAGYQLECRGVVVKVGKGEMTTYFLNGGPSS.

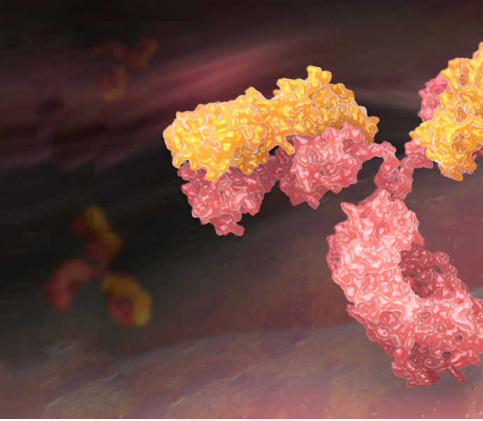
MO-AB-50472	Monoclonal	Marmoset	WB, ELISA	MO50472	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 1168 amino acids long.

The sequence is show below: MSWFSGLLVPKVDERKTAWGERNGQKRSGRRGTRAGGFCTPRYMSCLRDAEPPSPTPAGPSRCPWQDDAFIR
RGGPGKGMEGLGLRAVALG FEDTDMTPAGGGTAEVAPDAVPRSRWSCWRLVQVFQSKQFRSAKLERLYQRYFFQMNQSSLTLLMAVLVLLTAVL
LAFHAAPARQPAY VALLACAAALFVALMVVNCNRHSFRQDSMWVVSYYVLGILAAVQVGGALADPHSPSAGLWCPVFFVYIAYTLLPIRMRAAVL
SGLGLSTL HLILAWQLNRSDAFLWKQLSANVLLFLCTNVIGICTHYPAEVSQRQAFQETRGIYQARLHLQHENRQQRLLLSVLPQHVAMEMKEDI
NT KKEDMMFHKIYIQKHDNVLSILFADIEGFTSLASQCTAQELVMTLNELFARFDKLA AENHCLRIKILGDCYYCVSGLPEARADHAHCCVEM GVD
MIEAISLVREVTGVNVNMRVGIHSGRVHCGVLGLRKWQFDVWSNDVTLANHMEAGGRAGRIHITRATLQYLN GDYEVEPGRGGERNA YLKEQHI
ETFLILGASQKRKEEKAMLA KLQRARANSMEGLMPRWVPDRAFSRTKDSKA FRQMGIDDSSKDNRG AQDALNPEDEVDEF LSR AIDARSIDQLR
KDHVRRFLLTFQREDLEKKYSRKVDPRFGAYVACALLVFCFICFIQLLVFPHSTLMLGIYASIFLLLITVLICAVYSC GSLFPKALQRLSRSIVRSRAH
STAVGIFSVLLVFTSAIANMFTCNHTPIRTCAAQMLNLPADITACHLQQLNYS LGLDAPLCEDEPTC SFPEYFIGNMLLSLLASSVFLHISSIGKLA

Sub Cat	Clonalit y	Species Reactivity	Applicatio n	Clone	Conjugate	Size
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MIFVLGLIYLVLLLLGPPATIFDNYDLLLGVHGLASSNETFDGLDCPAAGRVALKYMTPV ILLVFALALYLHAQQVESTARLDFLWKLQATGEKEEME
 ELQAYNRRLLHNILPKDVAAHFLARERRNDELYYQSCECVAMVFASIANFSE FYVELEANNEGVECLRLLNEIADFEIISEEQFRQLEKIKTIGSTY
 MAASGLNASTYDQVGRSHITALADYAMRLMEQMKHINEHSFNN FQMKIGLNMGPVVAGVIGARKPQYDIWGDTVNVSSRMDSTGVPDRIQVTT
 DLYQVLAAGYQLEYRGVVKVKGKGEMTTYFLNGGPSS.



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.