AibGenesis™ Mouse Anti-ATP13A2 Antibody (CBMOAB-36539FYA)

Cat. No.: CBMOAB-36539FYA

Specifications

Host species	Mouse (*Mus musculus*)
Clone	MO36539FYA
Specificity	This antibody binds to Rhesus ATP13A2.
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	Endosome; Other locations; Lysosome

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 P5 subfamily of ATPases which transports inorganic cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding different isoforms have been found for this gene. (From NCBI)
Product Overview	Mouse Anti-Rhesus ATP13A2 Antibody is a mouse antibody against ATP13A2. It can be used for ATP13A2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq	The length of the protein is 1179 amino acids long. The sequence is show below: LSTDSSPLVGSTPTGYGTLTIGTSIDPLSSSVSSVRLSGYCGSPWRVIGYHV VVWMMAGI PLLLFRWKPLWGVRLRLRPCNLARAETLVIEIRDKEDSSWQLFTVQVQTEAIGEGSLEPP PQ AQVEDGRSQAAVGAVPEGAWKDTAQLHKSEEAVSGRKRMLRYYLFQGQRYIWIETQQA FYQVSLLDHGR SCDDIHRSRHGLSLQDQTVRKAIYGPNVISVPVKSYPQLLVDEALNPYY GFQAFSIALWLADHYYWYALCIF LISAISICLSLYKTRQQSQTLRDMVKLSMRVCVCRPG GEEEWVDSSELVPGDCLVLPQEGGLMPCDAALVA GECMVNESSLTGESVPVLKTALPEGL GPYCAETHRRHTLFCGTLVLQARAYVGPHVLAVVTRTGFCTAKG GLVSSILHPRPINFKF YKHSMKFVAALSVLALLGTIYSIFILYRNRLPLNEIVIRALDLVTVVVPPALPAAMTVCT LYAQGRLRRQGIFCIHPLRINLGGKLQLVCFDKTGTLTEDGLDVMGVVPLKGQAFLPLVP EPRRLPVGPLLR ALATCHALSRLQDTPVGDPMDLKMVESTGWVLEEEPAADSAFGTQVLA VMRPPLWEPQLQGMEEPPVPV SVLCRFPFSSALQRMSVVVAWPGASQPEAYVKGSPELVA GLCNPETVPTDFAQMLQSYTAAGYRVVALAS KSLPTVSSLEAAQQLTRDTVERELSLLGL LVMRNLLKPQTTPVIQALRRTRIRAVMVTGDNLQTAVTVARGC GMVAPQEHLIIVHATHP ERGQPASLEFLPMESPTVVNGIKDPDQAASYTVEPDPRSRHLALSGPTFGIIMKH FPKLL PKVLVQGTVFARMAPEQKTELVCELQKLQYCVGMCGDGANDCGALKAADVGISLSQAEAS VVSPF TSSMASIECVPMVIREGRCSLDTSFSVFKYMALYSLTQFISVLILYTINTNLGDL QFLAIDLVITTTVAVLMSRT GPALALGRVRPPGALLSVPVLSSLLLQVALVTGVQLGGYF LTLAQPWFVPLNRTVPAPDNLPNYENTVVFSL SSFQYLILAAAVSKGAPFRRPLYTNVPF LVALALLSSILVGLVLVPGLLQGPLALRNISDTCFKLLLLGLVTFNF VGAFMLESVLDQC LPACLRRLRPKRTSKKRFKQLERELAEQPWPLLPAGPLR.

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
CBMOAB-66990FYA	Monoclonal	Zebrafish (*Danio rerio*)	WB, ELISA	MO66990FYA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1170 amino acids long.

The sequence is show below: MDAKGNCVPGLDGASSSPDTEPLIKDPRPPELSLVSHMDVQGYRWVCWKVWLCRIGAVFSVGLLLVLFKWRPRI GILARCKSCPISMADV LLLKDRYGQQFVVDVITEEVEEGSLDFAVGDADENEWRDTVQLHSEKKTLLRYYVFEGIRYIWISKKGAFCKASVLSEGW TCADLHGQQQ GLSRADQSTRKQIFGANIIDVPVKSYLQLLFEEVLNPFYIFQVFSIILWMSDGYVYYAACIFIISLISIGVSLYETRKQSTTLRRMACLI VNVTVRRDTGEEECVSSEELVPGDCVVIPAEGLLLPCDAALVAGECMVNESMLTGESIPVMKTPLSNSEATYNPESQRRHTLFCGTQIIQ AKGGG PGKGAIAVVTCTGFLTAKGDLISSILYPQPLDFRFYRDAMKFLLFLGLLALIGTIYSLVILSKSNTPWKELIIRSLDIVTIIVPP ALPAAITTATIYAQNRLKR QGVFCISPPRINICGKISLFCFDKTGTLTEEGLDVWGVMEVTGGVFGELVPDPLFLPPGLMLSALASCHSV ALLGGQALGDPLELKMIESTGWELT EPENDMGHDSEFGGHRVLAVMRPPASELLTEGNSVSQPVAIVRRFPFSSSLQRMSVVTVGPAEPS PVAFIKGAPEMVASFCHKESVPSHFSHTL REYASQGFRVLGLAYKHLAKETDLSTVERVEVEKGMNFLGLLVMKNQVKPESAEVIQTLTL AQLRPVMVTGDNILTAVNVARVCGMVPLHEKVIFV HASPPTAGSQASLQFHEGEGATATINTQQTIDIPVQGQYQSAVGYHLAINGMSFA ALCDHFPEYLPKVLMRGTIYARMTPEQKTQLVKALQKLNYR VGMCGDGANDCGALRAADVGVSLSEAEASVASPFTSKSDNISCVPLLIK EGRCSLVTSFSLFKYMALYSLIQFASVLILYTEKTNLGDLQFLFFDLV LVTVLAILMGRGGPSNDLHPQRPAASLLSLPVLASLLMHTVL LILAQVSGLLITMSQDWYVPLNSTRTGAANLPNMEDTSVFAVSGFQYIIMSVVIT KGFPYKKPLYHNVLFVCALVFLFALMSWLVLFRHT IIHRVLSLYDITDMSYKLLLVAIAALNFFICFLLEFFIDQGALNCLRNLRGKRESKKQYKRLNV QLTETPSWPPLNQPLFPSQSSVISIS .

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
MO-AB-01198W	Monoclonal	Rhesus (*Macaca mulatta*)	WB, ELISA	MO01198W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1197 amino acids long.

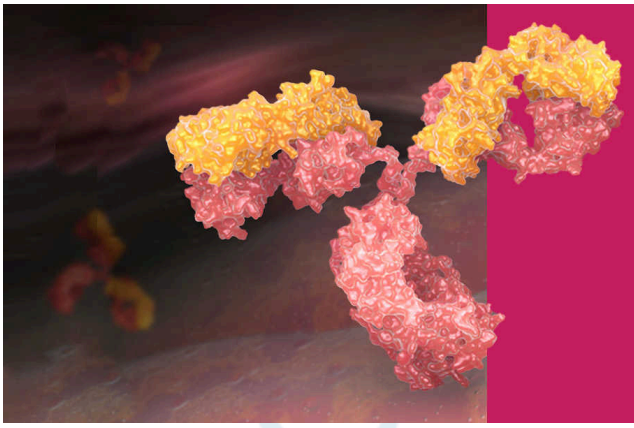
The sequence is show below: MSADSSPLVGSTPTGYGTLTIGTSIDPLSSSVSSVRLSGYCGSPWRVIGYHVVVWMMAGIPLLLFRWKPLWGVRL RLRPCNLARAETLVI EIRDKEDSSWQLFTVQVQTEAIGEGSLEPPPQAQVEDGRSQAAVGAVPEGAWKDTAQLHKSEEAKRMLRYYLFQGQRYI WIETQQAFYQV SLLDHGRSCDDIHRSRHGLSLQDQTVRKAIYGPNVISVPVKSYPQLLVDEALNPYYGFQAFSIALWLADHYYWYALCIFLISAISI CLSL YKTRKQSQTLRDMVKLSMRVCVCRPGGEEEWVDSSELVPGDCLVLPQEGGLMPCDAALVAGECMVNESSLTGESVPVLKTALPEGLGPY C AETHRRHTLFCGTLVLQARAYVGPHVLAVVTRTGFCTAKGGLVSSILHPRPINFKFYKHSMKFVAALSVLALLGTIYSIFILYRNRLPLN EIVIRALD LVTVVVPPALPAAMTVCTLYAQGRLRRQGIFCIHPLRINLGGKLQLVCFDKTGTLTEDGLDVMGVVPLKGQAFLPLVPEPRR LPVGPLLRALATCHA LSRLQDTPVGDPMDLKMVESTGWVLEEEPAADSAFGTQVLAVMRPPLWEPQLQGMEEPPVPVSVLCRFPFSSALQ RMSVVVAWPGASQPEAY VKGSPELVAGLCNPETVPTDFAQMLQSYTAAGYRVVVALASKSLPTVSSLEAAQQLTRDTVERELSLLGLLVMR NLLKPQTTPVIQALRRTRIRAVM VTGDNLQTAVTVARGCGMVAPQEHLIIVHATHPERGQPASLEFLPMESPTVVNGIKDPDQAASYTVE PDPRSRHLALSGPTFGIIMKHFPKLLPKV LVQGTVFARMAPEQKTELVCELQKLQYCVGMCGDGANDCGALKAADVGISLSQAEASVVSP FTSSMASIECVPMVIREGRCSLDTSFSVFKYMA LYSLTQFISVLILYTINTNLGDLQFLAIDLVITTTVAVLMSRTGPALALGRVRPPGA LLSVPVLSSLLLQVALVTGVQLGGYFLTLAQPWFVPLNRTVPA PDNLPNYENTVVFSLSSFQYLILAAAVSKGAPFRRPLYTNERARPVP PRLLAPPPAQADLQEAFQAAGTRAGRAALATAARRPPEVVQAYGHPRH WNSLPLSHQLDPSPATPPPPPTSPRLAIVYTPPPRPPPPWG SVDCCPPPRTIPSRNGSPQLLSALLSV.

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
MO-AB-23131W	Monoclonal	Chimpanzee (*Pan troglodytes*)	WB, ELISA	MO23131W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 1180 amino acids long.

The sequence is show below: MSADSSPLVGSTPTGYGTLTIGTSIDPLSSSVSSVRLSGYCGSPWRVIGYHVVVWMMAGIPLLLFRWKPLWGVRL RLRPCNLAHAETLVI EIRDKEDSSWQLFTVQVQTEAIGEGSLEPSPQAQAEDGRSQAAVGAVPEGAWKDTAQLHKSEEAVSVGQKRVLRYYLFQ GQRYIWIETQQ AFYQVSLLDHGRSCDDVHRSRHGLSLQDQMVRKAIYGPNVISIPVKSYPQLLVDEALNPYYGFQAFSIALWLADHYYWYALCIFL ISAIS ICLSLYKTRKQSQTLRDMVKLSMRVCVCRPGGEEEWVDSSELVPGDCLVLPQEGGLMPCDAALVAGECMVNESSLTGESIPVLKTALPEG LGPYCAETHRRHTLFCGTLILQARAYVGPHVLAVVTRTGFCTAKGGLVSSILHPRPINFKFYKHSMKFVAALSVLALLGTIYSIFILYRN RVPLNEIVIR ALDLVTVVVPPALPAAMTVCTLYAQSRLRRQGIFCIHPLRINLGGKLQLVCFDKTGTLTEDGLDVMGVVPLKGQAFLPLV PEPRRLPMGPLLRALAT CHALSRLQDTPVGDPMDLKMVESTGWVLEEEPAADSAFGTQVLAVMRPPLWEPQLQAVEEPPVPVSVLHRFPF SSALQRMSVVVAWPGATQP EAYVKGSPELVAGLCKPETVPTDFAQMLQSYTAAGYRVVALASKPLPTVPSLEAAQQLTRDTVEGDLSLLG LLVMRNLLKPQTTPVIQALRRTRIR AVMVTGDNLQTAVTVARGCGMVAPQEHLIIVHATHPERGQPASLEFLPMESPTAVNGVKDPDQAA SYTVEPDPRSRHLALSGPTFGIIVKHFPKLL PKVLVQGTVFARMAPEQKTELVCELQKLQYCVGMCGDGANDCGALKAADVGISLSQAEA SVVSPFTSSMASIECVPMVIREGRCSLDTSFSVFK YMALYSLTQFISVLILYTINTNLGDLQFLAIDLVITTTVAVLMSRTGPALVLGRV RPPGALLSVPVLSSLLLQVALVTGVQLGGYFLTLAQPWFVPLNRT

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
VPAPDNLPNYENTVVFSLSSFQYLILAAAMSKGAPFRRPLYTNVP FLVALALLSSILVGLVLVPGLLQGPLALRNITDTCFKLLLLGLVTFNFVGAFML ESVLDQCLPACLRRLRPKRASKKRFKQLERELAEQP WPPLPAGPLR.						
MO-AB-29078W	Monoclonal	Dog (*Canis lupus familiaris*)	WB, ELISA	MO29078W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 56 amino acids long. The sequence is show below: SQAEASVVSPFTSSTASIECVPMVIREGRCSLDTSFSVFKYMALYSLTQFISVLIL.						
MO-AB-51507W	Monoclonal	Marmoset	WB, ELISA	MO51507W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 1184 amino acids long. The sequence is show below: MEADSSPLVGSTPTGYGTLTIGTSIDPLSSSVSSVRLSGYCGSPWRVIGYHAVVWMMAGIPLLLFRWKPLWGVRL RLRPCNLAHAETLVI EIRDKEDSSWQLFTVQVQTEAIGGGSLEPPPQVQVEDGRSQAAVGVVPEGAWKDTAQLHKNEEEKRVLRYYLFRGQRYI WIETQQAFYQV SLLDHGRSCDDIHRFRHGLSLQDQTVRKAIYGPNVISIPVKSYPQLLVDEALNPYYGFQAFSIALWLADHYYWYALCIFLISAVSIC LSL YKTRKQSQTLRDMVKLSMQVCVCRPGGEEEWVDSSELVPGDCLVLPQEGGLMPCDAALVTGECMVNESSLTGESVPVLKTALPEGLGPYC AETHRRHTLFCGTLILQARAYVGPHVLAVVTRTGFCTAKGGLVSSILHPRPINFKFYKHSMKFVAALSVLALLGTIYSIFILHGNRVPLN EIVIRALDLV TVVVPPALPAAMTVCTLYAQSRLRRQGIFCIHPLRINLGGKLQLVCFDKTGTLTEDGLDVMGVVPLKGRAFLPLVPEPRR LPVGPLLRALATCHALS RLQDTPVGDPMDLKMVESTGWVLEEEPAEDLAFGTQVLAVMRPPLWELQLQEMDEPPVPVSVLHRFPFSSALQ RMSVVVSWPGAPQPEAYVK GSPELVAGLCNPETVPTDFAQLLQSYTAAGYRVVALASKPLPTVTSLEAAQQLTRDTVEQELSLLGLLVMR NLLKPQTTPVIQALRRTRIRAVMVT GDNLQTAVTVARGCGMVAPQEHLIIVHATHPERGQPASLEFLPMESPADVNGVKDPDQAASYTVE PDPRSRHLALSGPTFGIIVKHFPKLLPKVLV QGTVFARMAPEQKTELVCELQKLQPHLPTTLFRYCVGMCGDGANDCGALKAADVGISLS QAEASVVSPFTSSMASIECVPMVIREGRCSLDTSF SVFKYMALYSLTQFISVLILYTINTNLGDLQFLAIDLVITTTVAVLMSRTGPALA LGRVRPPGALLSIPVLGSLLLQVALVASVQLGGYFLTLAQPWFVP LNRTVPAPDNLPNYENTVVFSLSSFQYLILAAAVSKGAPFRRPLY TNVPFLLALALLSSILVGLVLVPGLLQGPLALRNITDTCFKLLLLGLVTFNFVG AFMLENMLDQCLPACLHRLRPKRASKKRFKQLEREL AEQPWPPLPTGPLR.						



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.