

AibGenesis™ Mouse Anti-AXIN2 Antibody (CBMOAB-36677FYA)

Cat. No.: CBMOAB-36677FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36677FYA
Specificity	This antibody binds to Rhesus AXIN2.
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

The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. (From NCBI)

Product Overview

Mouse Anti-Rhesus AXIN2 Antibody is a mouse antibody against AXIN2. It can be used for AXIN2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 844 amino acids long.

The sequence is show below: MSSAMLVTRLDPDSSSFREDAPRPPVPGEEGETPPCQLGVGKGQVTKPVP
VSSNTRRNED GLGEPEGRASPDSPLTRWTKSLHSLLDGDQDGAYLFRFTLEREKCVDTLDFWFACNGFRQ
M NLKDAKTLRVAKAIYKRYIENNSIVSKQLKPATKTYIRDGIKKQQIDSIMFDQAQTEIQS VMEENAYQMFLT
SDIYLEYVRSGGENTAYMSNGGLGSLKVVCGYLPTLNEEEEWTCADFK CKLSPTVVGLSSKTLRATASVRS
TETVDSGYRSFKRSDPVNPHYVSGYVFAPATSANDS EISSDALTDSSMSMTDSSVDGIPPYRVGSKKQL
QREMHRSVKANGQVSLPHFPRTHRLPK EMTPEPATFAAELISRLEKLKLELESRHSLEERLQQIREDEEK
EGSELTLSNREGAPTQ HPLSLLPSGSYEEDPQTILDDHLSRVLKPPGCGSPGVGRYSPRSRSPDHHHHHH
HSQYHS LLPPGGKLPPAAASPGACPLLGGKGFVTKQTTKHVVHHYIHHHHAHPKTEEIEAEATQRV HCFC
PGGPEYYCYSKCKSHPKALETMPGEQFGGSRGSTLPKRNGKGTEPLALPAREGGA PGGAGAMQLPRE
EGDRSQDVWQWMLERQSKPKPHSAQSTKKAYPLESARSSPGERASR HHLWGNSAHPRTTPRAHLF
TQDPAMPPLTPPNTLAQLEEACRRLAEVSKPPKQRCVAS QQRDRNHSATVQAGATPFSNPSLAPEDHKE
PKKLAGVHALQASELVVTTYFFCGEEIPYRR MLKAQSLTLGHFKEQLSKKGNRYRYFFKKASDEFACGAVFEEI
WEDETVLPMYEGRILGKV ERID.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-67263 FYA	Monoclon al	Zebrafish (<i>Danio rerio</i>)	WB, ELISA		MO67263F YA	Unconjugated; also available for Biotin; HRP; FITC and ot 100 μ her labeled form.	g

Protein Refseq: The length of the protein is 812 amino acids long.

The sequence is show below: MNRTLDPMVSSFREDDPRPPVPGEEGETTCHHPSKLAMMRPKDPVKTIMADLRCSTARRDEDGLGEPEGSAS
PDSPLARWTKSLHFLLG DQDGAQLFRAYLEREKCVDTLDFWFACNGFRQMDLKDTKTHRVAKAIYKRYIENNSIVAKQLKPATKTFIRDNIKRQQI
DSAMFDQAQME IQTAMEENAYQMFLTSDIYLEYVRTGCENPSHVNPNGLGGLKLVCGYLPTLNEEEEWSCNDFKAKALATVGLSAKTLRSPPL
RAVEALE KGYRSYRRSDPGNPNRFTSGYSFAPATSANDSEVSSDALTDSSMSMTDSSVDAIPPYKLGSKKQLQREMQRNM RMNGQVSLPPFP
RTRRP PKEMTPVEPAFAAQLIARLERLKREQETMSSLEERLQQIQEEERDESEMSSSSASHSLPLLPGTCEEDPQAILDEHLSRVLKTPGCGQ
SPGLLRHSPRSRSPEQRPLPRGGLSTRSQSSSMNGYVPAKTFISRQSTKIHIIHHYIHHHAGPKSKEQIEVEATQRVQCLCHGTSECCTAP YIRSR
SLGRDQCASPAEVALGHSSTLSKRLCKSGEEVNMEGLENSLLQLPADSTDRSQNVWQWILESDRQTKHKPHSTQNVKKSLSLEPT RTHTWGG
GGSSGHLRAHQPAHPFVQDPAMPPLPPPNTLAQLEEARRRLEEVS KPSKQRHSTSSLQRDKSHPPVQNGSSAFFPMDERKDPK KMSGCHSSL
GSETVVTTYFFCGEEIPYRRMMKTHSLTLGHFKEQLRKGNRYRYFFKRASDEFECGAVFEEVWDDCTVLPMEYGKILGKVDR MD.

MO-AB-00245Y	Monoclon al	Chicken (<i>Gallus gallus</i>)	WB, ELISA		MO00245Y	Unconjugated; also available for Biotin; HRP; FITC and ot 100 μ her labeled form.	g
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Protein Refseq: The length of the protein is 837 amino acids long. The sequence is show below: MSSAVLLAHLDPGSSSFREDAPRPPVPGEE
GDAPPCQPHSSFLAKSQSFPAMPVPAAPRRNENGLGEPEGSASPDSPLARWTKSLHSLLDGDQDGAYLFRFTLEREKCVDTLDFWFACNGFRQ
MDLKDTKTSRVAKAIYKRYIENNSIVSKQLKPATKTYIRDSIKKQQIDSIMFDQAQT EIQTVMEEENAYQMFLTSDIYLEYVRSGGENPAYMSSNGLGS
LKVVCGYLPTLNEEEEWSCADFKSKMLPSVVGLSSKTLRVTAGVRATET LENGYRSFKRNDPVNPHYVSSGYVFAPATSANDSEISSDALTDSS

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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MSMTDSSVDGIPPYRIGSKKQLQREMHRSVKANGQVSLPHFPRTH RLPKEMTPVEPAFAAELISRLEKLKQEETMDSLEERLQQIKEDEEKE
GLELPASLQSSREMVNPQHQQHPLSLLPSGSYEEDPQAILD EHLRVLKTPGCQSPGMGRHSPRARS PDHLLGGKLQPSTASPATCALLGKGF
TKQTTKHVHHHYIHHHAVPKTKEQIEAEAAQRVQCCC PAGSDYYCFSKCKGHPKGTDPPLPLEPFGRTGTLTGRPGRGVESIALLPDGGGLPG
PSGVQLPGGEADRAQNVWQWMLESERQNKHKPH STQSTKKAYSSDFAKGAPSERPGRHHPWGP GSHPRGAQPAHPFIQDPAMPPLTPPNTL
AQLEEACRRLAEVSKPQKQRCSTSNQQRDRNH STAVQGGNTPFCNASLTTEDHKEPKKLPVVHTSQSSELVVTYFFCGEEIPYRRMLKAQSLTL
GHFKEQLSKKGNRYRYFFKKASDEFDCGA VFEEIWEDETILPMYEGRILGKVERID.

MO-AB-01773H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO01773C	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 707 amino acids long.

The sequence is show below: MSSAGVLTICIPDSGRIFRETSRPPVPGQETKNYKPEKFTMDSQHLKHKEDFIREAEGCVAHDSRFSRWGRSLN
LLDDQDGATLFRMYL EGEGLDLLSFWFACNGFRAMPDPSEPKSTAKAIYRWYVQNSSAVLCRLKPSTRTQVKECVKNQQLNKT VFDQAQQ
EIQRAMEQEAFST FLQSDICKEYARGVEDSPTPDSPGGLPTLADEEFGGLHHFSSGIGKINRALGRIPPRNQRSHFRKSEPTYYPFAPAASIND
SEISSDALTEDSMSMTDASVDGIPPYRSKKQREIHRVSANGQVSLPFVPRTRMPPAEMMPASPAEFAAKLTMALERVKKQREAEKLEERLQRL
KE DEEKADYDIPPSNHETAPVALEDDPQSILDDHVSRLKTPANLSPRAQSPFVQRKGKFPASSKGQTSASCHLRPKVPQGMETSSTLAS EH
RSSLSSQLPRSSRKPEGCTQPHKPEESTSSAVLTTPLSPEQEAERSHSLVQWVLSAKLMKKHHREPTASVTHCPCLKKATHRAASQP AHLFLQ
DTSMPPLTAPNTLDQLEEARRRLVEDKRVPLKHKPRCAQSATLKEKSKTMESVPSSGFSTLKLSEEHKAACKPSSECQGGGLAI VYFVFCGERIPY
MIRTKESLTLQEFKELLSKKGSYKYYFKKESHEFECNAVFQEVSEEDAVLPLFEEKIICKVERAC.

MO-AB-24590W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO24590W	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 843 amino acids long.

The sequence is show below: MSSAMLVTCPLDPSSSFREDAPRPPVPGEEGETPPCQPGVGKGQVTKPMPVSSNTRRNEDGLGEPEGRASPD
SPLTRWTKSLHSLLDGDQD GAYLFRFTFLEREKCVDTLDFWFACNGFRQMNLKDTKTLRVAKAIYKRYIENNSIVSKQLKPATKTYIRDGIKKQQIDSI
MFDQAQTEIQS VMEENAYQMFLTSDIYLEYVRSGGENTAYMSNGGLGSLKVVCYGLPTLNEEEEWTCADFKCKLSPTVVGLSSKTLRATASVRS
TETVDSG YRSFKRSDPVNPYHIGSGYVFAPATSANDSEISSDALTDSDSMSMTDSSVDGIPPYRVGSKKQLQREMHRSVKANGQVSLPHFPRTHR
LPK EMTPEPATFAAELISRLEKLKLELESRSLEERLQQIREDEEKEGSELTLSREGAPTQHPLSLLPSGSYEEDPQTILDDHLSRVLKT GP
SPGVGRYSPRSRSPDHSHHHHSQYHSLPPGGKLPAAASPGACPLLGGKGFVTKQTTKHVHHHYIHHHAVPKTKEEIEAEATQRVH CFCPPG
SEYYCYCKCKSHPKALETMPSEQFGGSRGSTLPKRNGKGTEPGLALPAREGGAPGGAGALQLPREEGDRSQDVWQWMLESERQS KPKPHSA
QSTKKAYPLESARSSPGERASRHHLWGGNSGHPRTTPRAHLFTQDPAMPPLTPPNTLAQLEEACRRLAEVSKPPKQRCCVASQ QRDRNHSATV
QTGATPFSIPSLAPEDHKEPKKLAGVHALQASELVVTYFFCGEEIPYRRMLKAQSLTLGHFKEQLSKKGNRYRYFFKKASD EFACGAVFEEIWEDET
VLPMYEGRILGKVERID.

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-51668W	Monoclonal	Marmoset	WB, ELISA	MO51668W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 842 amino acids long.

The sequence is show below: MSSAVLVTRLPDPSSSFREDAPRPPVPGEEGETPPCQPGVGKSQVTKMPVSSNTRRNEDGLGEPEGRASPDSP

PLTRWTKSLHSLLDGQD GAYLFRTFLEREKCVDTLDFWFACNGFRQMNLDKTKLRVAKAIYKRYIENNSIVSKQLKPATKTYIRDGIKKQQIDSIM

FDQAQTEIQS VMEENAYQMFLTSDIYLEYVRSGGENTTYMSNGGLGSLKVVCGYLPTLNEEEEWTCADFKCKLSPTVVGLSSKTLRATASVRST

ETVDSG YRSFKRSDPVNPYHVGSQYVFAPATSANDSEISSDALTDSSMSMTDSSVDGIPPYRVGSKKQLQREMHRSVKANGQVSLPHFPRTHR

LPK EMTVPVEPATFAELISRLEKLKLEESRHSLEERLQQIREDEEKEGSELTSSREGAPTQHPLSLLPSGSYEEDPQTILDDHLSRVLKTP GCQ

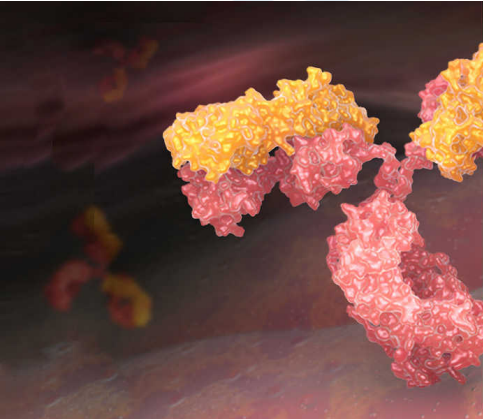
SPGVGRYSPRSRSPDHHHHHPQYHSLPPGGKLPVAVTSPGACPLLGGKGFVTKQTTKHVHHHHYIHHHAVPKTKEEIEAEATQRVHC FCPGGS

EYYCYSKCKSHSKIPETMPGEQFGGSRGSTLPKRNGKGTEPLALPAREGGAPGGAGALQLPREEGDRSQDVWQWMLERQSK PKPHSAQ

STKKAYPLESARSSPGERASRHHLWGGNSGHPRTTPRAHLFTQDPAMPPLTPPNTLAQLEEACRRLAEVSKPPKQRCCVASQQ RDRSHSAAVQ

VGATPFSSPSLAPEDHKEPKLAGVQALQASELVVTYFFCGEEIPYRRMLKAQSLTLGHFKEQLSKKGNRYRYFFKKASDE FACGAVFEEVWDDE

TVLPMYEGRILGKVERID.



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.