

AibGenesis™ Mouse Anti-ARRB2 Antibody (CBMOAB-36306FYA)

Cat. No.: CBMOAB-36306FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36306FYA
Specificity	This antibody binds to Rhesus ARRB2.
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

Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. (From NCBI)

Product Overview

Mouse Anti-Rhesus ARRB2 Antibody is a mouse antibody against ARRB2. It can be used for ARRB2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 406 amino acids long.

The sequence is show below: MGEKPGTRVFKKSSPNCKLTVYLGKRDFVDHLDKVPVVFVTLTCAFRYG
REDLDVLGLS FRKDLFIATYQAFPPVNPVPPRATRLQDRLLRKLQHAHPFFFTIPQNLPCSVTLQPGPE D
TGKACGVDFEIRAFCAKSLEEKSHKRNSVRLVIRKVQFAPEKPGQPSAETTRHFLMSD RSLHLEASLDKE
LYYHGEPLNVNVHVTNNSTKTVKKIKVSVRQYADICLFSTAQYKCPVA QLEQDDQVSPSSTFCVKVYTITPLL
SDNREKRGLALDGKLKHEDTNLASSTIVKEGANKEV LGILVSYRVKVKLVVSRGGDVSELFPVLMHPKPR
DHTPLPRPQSAPTPTPLPVPPAAP ETDVPVDTNLIEFDNTYATDDDDIVFEDFARLRLKGMKDDDDYDDQLC.

Sub C	Clo	Appli	Clon	Conjugate	Siz
at	nalitSpecies Reactivity	catio	e		e
y		n			
	Mono		MO0	Unconjugated; also available	
MO-AB-		WB, EL			100
clonaFrog (<i>Xenopus laevis</i>)			1618	for Biotin; HRP; FITC and ot	
01618H		ISA			µg
I		C		her labeled form.	

Protein Refseq: The length of the protein is 408 amino acids long.

The sequence is show below: MGERAGTRVFKKSSPNCKLTVYLGKRDFVDHLDKVPDVGVLVDTDYLDKDRKVYVTLTCAFRYGREDLDVLGL
SFRKDLFISTFQAYPP LPEEKKPLTRLQERLIKKLGEQAHFPFYFTIPQNLPCSVTLQPGPEDTGKACGVDFEIRAFCAKRNMEKMHKRNSVRLVIR
KVQFAPEKPG PQPVAETTRHFLMSDRSLHLEASLDKELYHGEAINVNVHVTNNSSKTVKRKVSVRQYADICLFSTAQYKCPVAQIELDDLVAAS
STFC KVYTLTPLLSNNREKRGLALDGKLKHEDTNLASSTIVKEGSSKEVLGILVSYRVKVKLVVSRGGDAVELFPVLMHPKPPENISRPLSEY PQ
TDVPVDTNLIEFDTNFAQDDDIVFEDFARLRLKGLKDDKDDDEAYC.

	Mono		MO0	Unconjugated; also available	
MO-AB-		WB, EL			100
clonaCattle (<i>Bos taurus</i>)			7639	for Biotin; HRP; FITC and ot	
07639R		ISA			µg
I		R		her labeled form.	

Protein Refseq: The length of the protein is 420 amino acids long.

The sequence is show below: MGEKPGTRVFKKSSPNCKLTVYLGKRDFVDHLDKVPDVGVLVDPDYLDKDRKVFVTLTCAFRYGREDLDVLGL
SFRKDLFIANYQAFPP TPNPPRPPTRLQERLLRKLQHAHPFFFTIPQNLPCSVTLQPGPEDTGKACGVDFEIRAFCAKSLEEKSHKRNSVRLVIR
KVQFAPEKPG PQPSAETTRHFLMSDRSLHLEASLDKELYHGEPLNVNVHVTNNSTKTVKKIKVSVRQYADICLFSTAQYKCPVA.

MO-AB-Mono			MO1	Unconjugated; also available	
		WB, EL			100
17603	clonaChimpanzee (<i>Pan troglodytes</i>)		7603	for Biotin; HRP; FITC and ot	
		ISA			µg
W	I		W	her labeled form.	

Protein Refseq: The length of the protein is 409 amino acids long.

The sequence is show below: MGEKPGTRVFKKSSPNCKLTVYLGKRDFVDHLDKVPDVGVLVDPDYLDKDRKVFVTLTCAFRYGREDLDVLGL
SFRKDLFIATYQAFPP VPNPPRPPTRLQDRLLRKLQHAHPFFFTIPQNLPCSVTLQPGPEDTGKACGVDFEIRAFCAKSLEEKSHKRNSVRLVIR

Sub C	Clo	Appli	Clon	Conjugate	Siz
at	nalitSpecies Reactivity	catio	e		e
y		n			

KVQFAPEKPG PQPSAETTRHFLMSDRSLHLEASLDKELYHGEPLSVNVHVTNNSTKTVKKIKVSVRQYADICLFSTAQYKCPVAQLEQDDQVSP

SSTFC KVYTITPLLSDNREKRGALDGKLKHEDTNLASSTIVKEGANKEVLGILVSYRVKVKLVVSRGGDVSVELPFVLMHPKPHDHIPLPRPQS A

APETDVPVDTNLIEFDTNyatDDDDIVFEDFARLRLKGmkDDdyDDQLC.

MO-AB-Mono		MO5	Unconjugated; also available	
51339	clona	WB, EL	1339	for Biotin; HRP; FITC and ot
W	I	ISA	W	her labeled form.

Protein Refseq: The length of the protein is 409 amino acids long.

The sequence is show below: MGEKPGTRVFKKSSPNCKLTVYLGKRDFVDHLDKVPVDGVVLVDPDYLKDRKVFVTLTCAFRYGREDLDVLGL

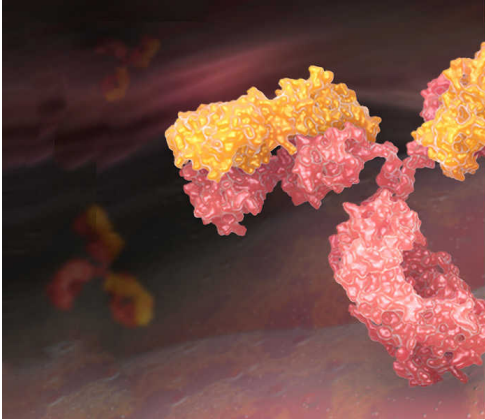
SFRKDLFIATYQAFPP VPNPPRPPTRLQDRLLRKLQGHAHPFFFTIPQNLPCSVTLQPGPEDTGKACGVDFEIRAFCAKSLEEKSHKRNSVRLVIR

KVQFAPEKPG PQPSAETTRHFLMSDRSLHLEASLDKELYHGEPLSVNVHVTNNSTKTVKKIKVSVRQYADICLFSTAQYKCPVAQLEQDDQVSP

SSTFC KVYTITPLLSDNREKRGALDGKLKHEDTNLASSTIVKEGANKEVLGILVSYRVKVKLVVSRGGDVSVELPFVLMHPKPHDHIPLPRPQT A

APETDVPVDTNLIEFDTNyatDDDDIVFEDFARLRLKGmkDDdyDDQLC.

MO-DK	Human (<i>Homo sapiens</i>), Mouse (<i>Mus musculus</i>), Rat (<i>Rattus norvegicus</i>), Cattle	WB, IH	
Polyc			100
B-0315	(<i>Bos taurus</i>), Dog (<i>Canis lupus familiaris</i>), Chicken (<i>Gallus gallus</i>), Horse (<i>Equus cC</i> , IHC-	Unconjugated	
lonal			µg
1W	<i>aballus</i>), Primate, Frog (<i>Xenopus</i>), Zebrafish (<i>Danio rerio</i>)	P	



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.