ARR3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ARR3, Monoclonal Antibody
Full Product Name	ARR3 (Arrestin-C, Cone Arrestin, C-arrestin, cArr, Retinal Cone Arrestin-3, X-arrestin, ARRX, CAR) (MaxLight 750)
Product Gene Name	anti-ARR3 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D7
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ARR3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	39,667 Da
Immunogen	Full length recombinant corresponding to aa1-359 from human ARR3 (AAH12096) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSKVFKKTSSNGKLSIYLGKRDFVDHVDTVEPIDGVVLVDPEYFKCRKLFVMLTCAFRYGRDDLEVIGLTFRKDLYVQTLQVVPAESSSPQGPLTVLQERL
Conjugate	MaxLight750
Product Categories/Family for anti-ARR3 antibody	Antibodies; G Proteins
Applications Tested/Suitable for anti-ARR3 antibody	FLISA, Western Blot (WB)
Application Notes for anti-ARR3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ARR3 antibody	Arrestins and G protein-coupled receptor kinases (GRKs) are key players in homologous desensitization of G protein-coupled receptors. Arrestin-C (Co
Other Notes	Small volumes of anti-ARR3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for ARR3 purchase	MBS6231639 is an antibody targeting ARR3. Also known as ARR3 (Arrestin-C, Cone Arrestin, C-arrestin, cArr, Retinal Cone Arrestin-3, X-arrestin, ARI

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARR3. It may not necessarily be applicable to this product.

NCBI GI #	15082366
NCBI GeneID	407
NCBI Accession #	BC012096
NCBI Related Accession #	AAH12096
UniProt Secondary Accession #	Q5JT23; Q5JT24; Q6IBF5; Q96EN2; B5B0B9
UniProt Related Accession #	P36575
NCBI Official Full Name	Homo sapiens arrestin 3, retinal (X-arrestin), mRNA
NCBI Official Synonym Full Names	arrestin 3
NCBI Official Symbol	ARR3
NCBI Official Synonym Symbols	ARRX; cArr; MYP26
Protein Family	Arrestin
NCBI Protein Information	arrestin-C
NCBI Summary for ARR3	The protein encoded by this gene is a non-visual arrestin which binds to agonist-activated, phosphorylated G protein-coupled receptors. This binding uncouples the receptor from the heterotrimeric G protein, resulting in termination of the G protein-coupled receptor signaling. The encoded protein also is a part of the centrosome, interacting with gamma-tubulin to help regulate proper centrosome function. [provided by RefSeq, May 2016]
Research Articles on ARR3	**1.** These data suggest that heterozygous mutations in ARR3 might be responsible for X-linked female-limited early onset high myopia in the three families, a pattern contrary to the standard X-linked recessive trait.
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