ARID3A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ARID3A, Monoclonal Antibody
Full Product Name	ARID3A (AT-rich Interactive Domain-containing Protein 3A, ARID Domain-containing Protein 3A, B Cell Regulator of IgH Transcription, Bright, Dead Ringer-like Protein 1, E2F-binding Protein 1, DRIL1, DRIL3, DRX, E2FBP1) (MaxLight 405)
Product Gene Name	anti-ARID3A antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1A11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ARID3A.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	62,889 Da
OMIM	603265
3D Structure	ModBase 3D Structure for Q99856
Immunogen	Partial recombinant corresponding to aa317-416 from human ARID3A (NP_005215) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	QYMKYLYPYECEKRGLSNPNELQAAIDSNRREGRRQSFGGSLFAYSPGGAHGMLSSPKLPVSSLGLAASTNGSSITPAPKIKKEEDSAIPITVPGRLPVS
Conjugate	MaxLight405
Product Categories/Family for anti-ARID3A antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-ARID3A antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-ARID3A antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-ARID3A antibody	MBS6188919 is an antibody targeting ARID3A. Also known as ARID3A (AT-rich Interactive Domain-containing Protein 3A, ARID Domain-containing Protein 3A, B Cell Regulator of IgH Transcription, Bright, Dead Ringer-like Protein 1, E2F-binding Protein 1, DRIL1, DRIL3, DRX, E2FBP1) (MaxLight 405). Reactive in Human. Host: Mouse.

Product References and Citations for anti-ARID3A antibody	1. Expression profiling of more than 3500 proteins of MSS-type colorectal cancer by stable isotope labeling and mass spectrometry. Kang UB, Yeom J, Kim HJ, Kim H, Lee C.J Proteomics. 2011 Nov 26.
Other Notes	Small volumes of anti-ARID3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARID3A. It may not necessarily be applicable to this product.

NCBI GI #	4885193
NCBI GeneID	1820
NCBI Accession #	NP_005215
UniProt Primary Accession #	Q99856
UniProt Secondary Accession #	Q5I858; Q6P9C6; Q8IZA7; Q8N4Z3
UniProt Related Accession #	Q99856
GenBank Nucleotide #	NM_005224
NCBI Official Full Name	AT-rich interactive domain-containing protein 3A
NCBI Official Synonym Full Names	AT rich interactive domain 3A (BRIGHT-like)
NCBI Official Symbol	ARID3A
NCBI Official Synonym Symbols	DRIL1; DRIL3; BRIGHT; E2FBP1
UniProt Protein Name	AT-rich interactive domain-containing protein 3A
UniProt Synonym Protein Names	B-cell regulator of IgH transcription; Bright; Dead ringer-like protein 1; E2F-binding protein 1
Protein Family	AT-rich interactive domain-containing protein
UniProt Gene Name	ARID3A
UniProt Synonym Gene Names	DRIL1; DRIL3; DRX; E2FBP1; ARID domain-containing protein 3A; Bright
UniProt Entry Name	ARI3A_HUMAN
NCBI Protein Information	AT-rich interactive domain-containing protein 3A; ARID domain-containing 3A; ARID domain-containing protein 3A; AT rich interactive domain 3A (BRIGHT- like) protein; B-cell regulator of IgH transcription; E2F-binding protein 1; dead ringer-like 1; dead ri

UniProt Comments for ARID3A	Bright: a member of the ARID (AT-rich interaction domain) family of transcription factors. It was found by its homology to the Drosophila dead ringer protein, which is important for normal embryogenesis. Binds a VH promoter proximal site necessary for induced mu-heavy-chain transcription. Binds the minor groove of a restricted ATC sequence that is sufficient for nuclear matrix association. This sequence motif is present in matrix-associating regions (MARS) proximal to the promoter and flanking E mu. Activates E mu-driven transcription by binding these sites. Contributes to localized control of accessibility and therefore nonrandom gene use during V(D)J recombination. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: nucleoplasm; Golgi apparatus; cytoplasm; nucleolus; lipid raft Molecular Function: protein binding; protein homodimerization activity; chromatin binding Biological Process: transcription, DNA-dependent; positive regulation of transcription from RNA polymerase II promoter
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