

Mouse ARNTL Monoclonal Antibody | anti-ARNTL antibody

ARNTL antibody

CATALOG # AAA74676	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

ARNTL; Monoclonal Antibody; ARNTL antibody; Monoclonal ARNTL; Anti-ARNTL; Aryl hydrocarbon receptor nuclear translocator-like; BMAL1; TIC; MGC47515; JAP3; MOP3; PASD3; BMAL1c; anti-ARNTL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1C11
Purity/Purification	ARNTL antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	625
Applicable Applications for anti-ARNTL antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	Aryl hydrocarbon receptor nuclear translocator-like, also known as ARNTL, Bmal1, or Mop3, is a gene which is associated with susceptibility to hypertension and type 2 diabetes. The protein encoded by this gene is a basic-helix-loop-helix PAS (bHLH-PAS) domain containing protein that forms a heterodimer with a second bHLH-PAS protein, Clock, or its ortholog, Npas2. This complex binds to E-box response elements in promoter regions of many genes including those encoding the Period (Per1, Per2, Per3) and Cryptochrome (Cry1 and Cry2) proteins.
Cross-Reactivity	Human
Immunogen	ARNTL antibody was raised in mouse using a full length recombinant protein of human ARNTL (NP_001169) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of ARNTL protein in paraffin embedded Adenocarcinoma of Human colon tissue using ARNTL antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ARNTL protein (Right) or empty vector (Left) detected with ARNTL antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ARNTL antibody	Mouse monoclonal ARNTL antibody
Product Categories/Family for anti-ARNTL antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	42716311
NCBI GeneID	406
NCBI Accession #	NP_001169
NCBI GenBank Nucleotide #	NM_001178.4
UniProt Accession #	O00327; O00313; O00314; O00315; O00316; O00317; Q4G136; A2I2N6; A8K645; B5ME11; B7WPG7; D3DQW6
Molecular Weight	64,136 Da
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator-like protein 1 isoform a
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator-like
NCBI Official Symbol	ARNTL
NCBI Official Synonym Symbols	TIC; JAP3; MOP3; BMAL1; PASD3; BMAL1c; bHLHe5
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Gene Name	ARNTL
UniProt Synonym Gene Names	BHLHE5; BMAL1; MOP3; PASD3; bHLHe5
UniProt Entry Name	BMAL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/arntl-antibody-clone-1c11-western-blot-immunohistochemistry-immunofluorescence-elisa/74676>