

Mouse anti-Human ARNTL2 Monoclonal Antibody | anti-ARNTL2 antibody

Mouse monoclonal antibody Anti-Human ARNTL2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36336	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, Immunocytochemistry, Dot Blot

PRODUCT SYNONYMS

ARNTL2; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human ARNTL2; aryl hydrocarbon receptor nuclear translocator-like 2; CLIF; MOP9; BMAL2; PASD9; anti-ARNTL2 antibody

PRODUCT SPECIFICATIONS

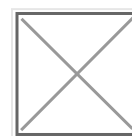
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ARNTH6B5
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	7411
Applicable Applications for anti-ARNTL2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ICC (Immunocytochemistry), DB (Dot Blot)
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.

IMAGES



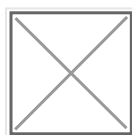
ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-ARNTL2 mAb. [Lot No. ARNTH6B5-3]



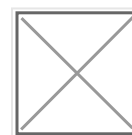
FCM/FACS (Flow Cytometry)

HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-ARNTL2 mAb (shaded) or isotype control (unshaded) followed by Alexa Fluor(R) 488-conjugated goat anti-mouse IgG. [Lot No. ARNTH6B5-3]



WB (Western Blot)

Detection of ARNTL2 by Western blot. Samples: Whole cell lysate from human HEK293 (H, 25 ug), mouse NIH3T3 (M, 25 ug) and rat F2408 (R, 25 ug) cells. [Lot No. ARNTH6B5-3] Predicted molecular weight: 70 kDa



Quality Control #2

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



Quality Control

Western blot analysis of immunized recombinant protein, using anti-ARNTL2 monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ARNTL2 antibody	BMAL2-CLOCK heterodimers activate E-box element (3'-CACGTG-5') transcription. Also, in umbilical vein endothelial cells, activates SERPINE1 through E-box sites. This transactivation is inhibited by PER2 and CRY1. [UniProtKB Function]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	351721386
NCBI GeneID	56938
NCBI Accession #	NP_064568.3
NCBI GenBank Nucleotide #	NM_020183
Molecular Weight	60,390 Da
NCBI Official Full Name	Homo sapiens aryl hydrocarbon receptor nuclear translocator-like 2 (ARNTL2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator-like 2
NCBI Official Symbol	ARNTL2
NCBI Official Synonym Symbols	CLIF; MOP9; BMAL2; PASD9; bHLHe6
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator-like protein 2; CYCLE-like factor; PAS domain-containing protein 9; basic-helix-loop-helix-PAS protein MOP9; brain and muscle ARNT-like 2; class E basic helix-loop-helix protein 6; member of PAS protein 9; transcription factor BMAL2
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator-like protein 2
UniProt Gene Name	ARNTL2
UniProt Entry Name	BMAL2_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/arntl2-antibody-clone-arnth6b5-flow-cytometry-western-blot-immunocytochemistry-dot-blot-elisa/36336>