

ARNTL2 BMAL2 Antibody FITC Conjugated

Catalog No: #C01213F

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Description

Product Name	ARNTL2 BMAL2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt, ICC, IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human ARNTL2
Conjugates	FITC
Target Name	ARNTL2 BMAL2
Other Names	ARNT L2; ARNTL 2; ARNTL2; ARNTL2 protein; Aryl hydrocarbon receptor nuclear translocator like 2; Aryl hydrocarbon receptor nuclear translocator like protein 2; Aryl hydrocarbon receptor nuclear translocator-like 2; Basic helix loop helix PAS protein MOP9; Basic-helix-loop-helix-PAS protein MOP9; bHL
Accession No.	NCBI Gene ID56938
Uniprot	Q8WYA1
GeneID	56938;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=2ug/Test ICC=1:50-200 IF=1:50-200

Background

BMAL2 is a 636 amino acid protein that localizes to the nucleus and contains one bHLH (basic helix-loop-helix) domain, one PAC (PAS-associated C-terminal) domain and two PAS (PER-ARNT-SIM) domains. Expressed at high levels in placenta and brain and at lower levels in liver, thymus, heart, lung and kidney, BMAL2 functions as a component of the circadian core oscillator, which includes a variety of proteins that work in tandem to activate the transcription of target genes. More specifically, BMAL2, when functioning as a component of the core oscillator, binds to the E-box element (3'-CACGTG-5') of target DNA, thus inducing transcription. Multiple isoforms of BMAL2 exist due to alternative splicing events.

Note: This product is for in vitro research use only