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Datasheet for ABIN4996829

anti-ARNTL2 antibody (AA 381-480) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	ARNTL2
Binding Specificity:	AA 381-480
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNTL2 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARNTL2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	ARNTL2
Alternative Name:	ARNTL2/BMAL2 (ARNTL2 Products)
Background:	Synonyms: ARNT L2, ARNTL 2, ARNTL2, ARNTL2 protein, Aryl hydrocarbon receptor nuclear

Target Details

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, bHLHe6, BMA L2, BMAL 2, BMAL2, Brain and muscle ARNT like 2, Brain and muscle ARNT-like 2, CL, CYCLE like factor, CYCLE-like factor, Member of PAS protein 9, MGC124257, MGC149671, MGC149672, MGC158186, MOP 9, MOP9, PASD 9, PASD9, Transcription factor BMAL 2, Transcription factor BMAL2, wu:fj90c09, BMAL2_HUMAN. 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.

Gene ID: 56938

Pathways: [Photoperiodism](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months