Datasheet for ABIN7540572

anti-ARNTL antibody (N-Term)

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Overview

Quantity:	25 µL
Target:	ARNTL
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ARNTL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Fluorescence Microscopy (FM)

Product Details

Purpose:	BMAL1 Antibody
Immunogen:	Anti-BMAL1 antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to a N-terminal portion of human Bmal1 conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human Bmal1.
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	ARNTL
Alternative Name:	ARNTL (ARNTL Products)
Background:	Goat Anti-Aryl hydrocarbon receptor nuclear translocator-like protein 1 Antibody, Goat Anti-Bmal1 Antibody, Arnt3, Brain and muscle ARNT-like 1,Arntl (Aryl Hydrocarbon Receptor Nuclear Translocator Like), also known as Bmal1, is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This heterodimer binds E-box enhancer elements upstream of Period (PER1, PER2, PER3) and Cryptochrome (CRY1, CRY2) genes and activates transcription of these genes. PER and CRY proteins heterodimerize and repress their own transcription by interacting in a feedback loop with CLOCK/ARNTL complexes. Defects in this gene have been linked to infertility, problems with gluconeogenesis and lipogenesis, Angelman Syndrome and altered circadian rhythm. Anti-Bmal1 Antibody is useful for researchers interested in Neuroscience research.
Gene ID:	406
UniProt:	O00327
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Protein targeting to Nucleus, Warburg Effect

Application Details

Application Notes:	ELISA_Dilution: 1:10,000-1:50,000 IF_Microscopy_Dilution: 15 µg/mL Western_Blot_Dilution: 1:1000
Comment:	Suggested Applications: User Optimized Anti-BMAL1 Antibody has been tested in WB and IF. Expect a band at ~67-69 kDa in western blot using appropriate lysates. Positive control used: HEK293T and Mouse Brain whole cell lysates in WB, and HeLa cells in IF.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months