

Datasheet for ABIN335124
anti-ARNTL antibody (Internal Region)



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1 Image

Overview

Quantity:	100 µg
Target:	ARNTL
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ARNTL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	BMAL1 / ARNTL
Immunogen:	Peptide with sequence REKITTNCYKFKIKD, from the internal region of the protein sequence according to NP_001169.3, NP_001025444.1.
Sequence:	REKITTNCYK FKIKD
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_001025444.1, NP_001025443.1). Reported variants represent identical protein (NP_001025443.1, NP_001169.3).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details

chromatography using the immunizing peptide.

Grade: Verified

Target Details

Target: ARNTL

Alternative Name: ARNTL ([ARNTL Products](#))

Background: ARNTL, BMAL1, aryl hydrocarbon receptor nuclear translocator-like, BMAL1c, JAP3, MGC47515, MOP3, PASD3, TIC, ARNT-like protein 1, brain and muscle, bHLH-PAS protein JAP3, basic-helix-loop-helix-PAS orphan MOP3, member of PAS superfamily 3

Gene ID: 406, 11865, 29657

NCBI Accession: [NP_001169](#), [NP_001025444](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Protein targeting to Nucleus](#), [Warburg Effect](#)

Application Details

Application Notes: Western Blot: Approx. 70+75 kDa bands observed in Human Brain (Cerebellum) lysates (calculated MW of 68.7 kDa according to NP_001169.3 and 64.1 kDa according to NP_001025444.1). Recommended concentration: 0.3-1 µg/mL.
Peptide ELISA: antibody detection limit dilution 1:8000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

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

Handling Advice: Minimize freezing and thawing.

Storage: -20 °C

Handling

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Western Blotting

Image 1. ABIN335124 (0.3µg/ml) staining of Human Brain (Cerebellum) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.