

Datasheet for ABIN6579722
anti-ARNTL antibody (acLys538)



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Overview

Quantity:	100 µL
Target:	ARNTL
Binding Specificity:	AA 501-550, acLys538
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNTL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized Acetyl-peptide derived from human BMAL1 around the Acetylation site of Lys538.
Isotype:	IgG
Specificity:	BMAL1 (Acetyl-Lys538) Antibody detects endogenous levels of BMAL1 protein only when acetylated at Lys538. Acetylation: H:K538, M:K544, R:K538
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using acetylated peptide. The antibody against non-acetylated peptide was removed by chromatography using corresponding non-acetylated peptide.

Target Details

Target:	ARNTL
Alternative Name:	BMAL1 (ARNTL Products)
Background:	Synonyms: ARNTL, BHLHE5, BMAL1, MOP3, PASD3, Aryl hydrocarbon receptor nuclear translocator-like protein 1, Basic-helix-loop-helix-PAS protein MOP3, Brain and muscle ARNT-like 1, Class E basic helix-loop-helix protein 5, bHLHe5, Member of PAS protein 3, PAS domain-containing protein 3, bHLH-PAS protein JAP3 NCBI Gene Symbol: ARNTL
Molecular Weight:	68 kDa
Gene ID:	406
OMIM:	602550
UniProt:	O00327
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Protein targeting to Nucleus , Warburg Effect

Application Details

Application Notes:	WB: 1:500~1:1000 ELISA: 1:10000
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.