

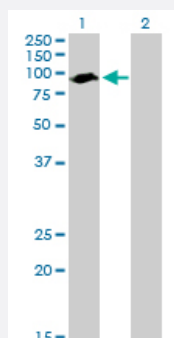
MaxPab®

ARNTL purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000406-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ARNTL expression in transfected 293T cell line ([H00000406-T01](#)) by ARNTL MaxPab polyclonal antibody.

Lane 1: ARNTL transfected lysate (68.75 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ARNTL protein.

Immunogen

ARNTL (NP_001169.3, 1 a.a. ~ 625 a.a) full-length human protein.

Sequence

MADQRMDISSTISDFMSPGPTDLLSSSLGTSGVDCNRKRKGSSTDYQESMDTDKDDPHGRLEYT
EHQGRIKNAREAHSQIEKRRRDKMNSFIDELASLVPTCNAMSRKLDKLTVLRMAVQHMKTLRGAT
NPYTEANYKPTFLSDDELKHLILRAADGFLFVVGCDRGKILFVSESVFKILNYSQNDLIGQSLFDYLH
PKDIAKVKEQLSSSDTAPRERLIDAKTGLPVKTDITPGPSRLCSGARRSFFCRMKCNRPVSKVED
KDFPSTCSKKKDRKSFCTIHSTGYLKS WPPTKMGLDEDNEPDNEGNCNLSCVLAIGRLHSHVVPQ
PVNGEIRVKSMEYVSRHAIDGKFVFVDQRATAILAYLPQELLGTSCYEYFHQDDIGHLAECHRQVL
QTREKITTNCYKFKIKDGSFITLRSRWF SFMNPWTKEVEYVSTNTTVLANVLEGGDPTFPQLTASP
HSMDSMLPSGEGGPKRTHPTVPGIPGGTRAGAGKIGRMIAEEIMEIHRIRGSSPSSCGSSPLNITST
PPPDASSPGGKKILNGGTPDIPSSGLLSGQAQENPGYPYSDSSSILGENPHIGIDMIDNDQGSSSP
SNDEAAMAVIMSLLEADAGLG GPVDFSDLPWPL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ARNTL

Entrez GeneID	406
GeneBank Accession#	NM_001178.4
Protein Accession#	NP_001169.3
Gene Name	ARNTL
Gene Alias	BMAL1, BMAL1c, JAP3, MGC47515, MOP3, PASD3, TIC, bHLHe5
Gene Description	aryl hydrocarbon receptor nuclear translocator-like
Omim ID	602550
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating this gene and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	ARNT-like protein 1, brain and muscle bHLH-PAS protein JAP3 basic-helix-loop-helix-PAS orphan MOP3 member of PAS superfamily 3

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Alcoholism](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Interview](#)
- [Mood Disorders](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)