

ARNTL Polyclonal Antibody

Catalog number: 14268-1-AP

Size: 45 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

ARNTL; ARNT3, ARNTL, bHLH

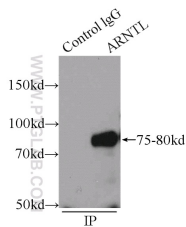
PAS protein JAP3, bHLHe5,

BMAL1, BMAL1c, Brain and

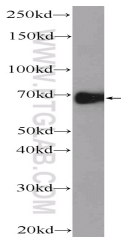
muscle ARNT like 1, JAP3,

Member of PAS protein 3,

MOP3, PASD3, TIC



IP Result of anti-ARNTL (IP:14268-1-AP, 4ug; Detection:14268-1-AP 1:300) with HeLa cells lysate 1600ug.



HeLa cells were subjected to SDS PAGE followed by western blot with 14268-1-AP (ARNTL Antibody) at dilution of 1:600

Background

BMAL1, a basic helix–loop–helices with Per–Arnt–Sim (PAS) domain transcription factor, is one of components that has core clock function in mammals. It form a heterodimer with CLOCK, and induce the transcription of target genes by binding to E-box elements within their promoter regions. And this transcription is inhibited in a feedback loop by PER, and also by CRY proteins. Also BMAL1 is a key player in the regulation of metabolism, playing a role in adipogenesis and in the control of glucose and triglycerides levels.

Applications

Tested applications:	ELISA, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated ARNTL MW:	69 kDa
Observed ARNTL MW:	69-75 kDa
Positive WB detected in	HeLa cells, 3T3-L1 cells, HT-1080 cells
Positive IP detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5586
GenBank accession number:	BC041129
Gene ID (NCBI):	406
Full name:	Aryl hydrocarbon receptor nuclear translocator-like

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.