Rabbit BMAL1 Monoclonal Antibody | anti-BMAL1 antibody

BMAL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312538	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

BMAL1; Monoclonal Antibody; BMAL1 Antibody; ARNT like protein 1 brain and muscle antibody; Arntl antibody; Aryl hydrocarbon receptor nuclear translocator like antibody; Aryl hydrocarbon receptor nuclear translocator like protein 1 antibody; Aryl hydrocarbon receptor nuclear translocator-like protein 1 antibody; Basic helix loop helix PAS orphan MOP3 antibody; Basic helix loop helix PAS protein MOP3 antibody; Basic-helix-loop-helix-PAS protein MOP3 antibody; bHLH PAS protein JAP3 antibody; bHLH-PAS protein JAP3 antibody; bHLHe5 antibody; BMAL 1 antibody; BMAL1_HUMAN antibody; BMAL1c antibody; Brain and muscle ARNT like 1 antibody; Brain and muscle ARNT-like 1 antibody; CG8727 PA antibody; Class E basic helix-loop-helix protein 5 antibody; cycle antibody; JAP 3 antibody; JAP3 antibody; Member of PAS protein 3 antibody; Member of PAS superfamily 3 antibody; MGC47515 antibody; MOP 3 antibody; MOP3 antibody; PAS domain-containing protein 3 antibody; PASD 3 antibody; PASD3 antibody; TIC antibody; anti-BMAL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JM17-34
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-BMAL1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)
ICC staining BMAL1 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining BMAL1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)
Western blot analysis of BMAL1 on different lysates using anti-BMAL1 antibody at 1/1, 000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: Rat brain Lane 3: Mouse spleen Lane 4: Hela

ADDITIONAL INFORMATION

Related Product Information for anti-BMAL1 antibody	Transcriptional activator which forms a core component of the circadian clock. Transcription factors, CLOCK or NPAS2 and ARNTL/BMAL1 or ARNTL2/BMAL2, form the positive limb of the feedback loop, act in the form of a heterodimer and activate the transcription of core clock genes and clock-controlled genes (involved in key metabolic processes), harboring E-box elements (5'-CACGTG-3') within their promoters. The core clock genes: PER1/2/3 and CRY1/2 which are transcriptional repressors form the negative limb of the feedback loop and interact with the CLOCK|NPAS2-ARNTL/BMAL1|ARNTL2/BMAL2 heterodimer inhibiting its activity and thereby negatively regulating their own expression. This heterodimer also activates nuclear receptors NR1D1/2 and RORA/B/G, which form a second feedback loop and which activate and repress ARNTL/BMAL1 transcription, respectively. ARNTL/BMAL1 positively regulates myogenesis and negatively regulates adipogenesis via the transcriptional control of the genes of the canonical Wnt signaling pathway.
Product Categories/Family for anti-BMAL1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	71852580
NCBI GeneID	406
NCBI Accession #	NP_001025443.1
NCBI GenBank Nucleotide #	NM_001030272.1
UniProt Accession #	O00327; O00313; O00314; O00315; O00316; O00317; Q4G136; A2I2N6; A8K645; B5ME11; B7WPG7; D3DQW6
Molecular Weight	626
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator-like protein 1 isoform a
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator-like
NCBI Official Symbol	ARNTL
NCBI Official Synonym Symbols	TIC; JAP3; MOP3; BMAL1; PASD3; BMAL1c; bHLHe5
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator-like protein 1; bHLH-PAS protein JAP3; member of PAS protein 3; member of PAS superfamily 3; brain and muscle ARNT-like 1; PAS domain-containing protein 3; ARNT-like protein 1, brain and muscle; basic-helix-l
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Gene Name	**ARNTL**
UniProt Synonym Gene Names	BHLHE5; BMAL1; MOP3; PASD3; bHLHe5
UniProt Entry Name	BMAL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/bmal1-antibody-clone-jm17-34-immunofluorescence-immunocytochemistry-western-blot-elisa/312538