

Mouse anti-Human BMAL1 Monoclonal Antibody | anti-BMAL1 antibody

BMAL1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319970	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BMAL1; Monoclonal Antibody; BMAL1 Monoclonal Antibody; Aryl hydrocarbon receptor nuclear translocator-like protein 1; ARNTL; BHLHE5; MOP3; PASD3; 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; anti-BMAL1 antibody

PRODUCT SPECIFICATIONS

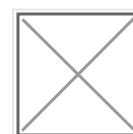
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	BMAL1 Monoclonal Antibody detects endogenous levels of BMAL1 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-BMAL1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human BMAL1 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human Spleen tissues with AEC staining using BMAL1 Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using BMAL1 Monoclonal Antibody against ARNTL-hlgGfC transfected HEK293 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BMAL1 antibody	The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This heterodimer binds E-box enhancer elements upstream of Period (PER1, PER2, PER3) and Cryptochrome (CRY1, CRY2) genes and activates transcription of these genes. PER and CRY proteins heterodimerize and repress their own transcription by interacting in a feedback loop with CLOCK/ARNTL complexes. Defects in this gene have been linked to infertility, problems with gluconeogenesis and lipogenesis, and altered sleep patterns. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Product Categories/Family for anti-BMAL1 antibody	Primary Antibodies

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/bmal1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/319970>