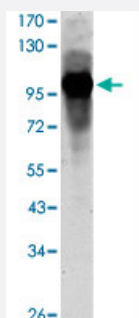


ARNTL monoclonal antibody, clone 1C5

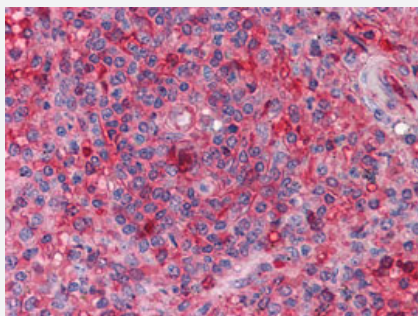
Catalog # MAB10493 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis using ARNTL monoclonal antibody, clone 1C5 (Cat # MAB10493) against ARBTL-hlgGfc transfected HEK293 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human spleen tissues using ARNTL monoclonal antibody, clone 1C5 (Cat # MAB10493).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ARNTL.
Immunogen	Recombinant protein corresponding to human ARNTL.
Host	Mouse
Theoretical MW (kDa)	68.7
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using ARNTL monoclonal antibody, clone 1C5 (Cat # MAB10493) against ARBTL-hlgGFc transfected HEK293 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human spleen tissues using ARNTL monoclonal antibody, clone 1C5 (Cat # MAB10493).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ARNTL

Entrez GeneID	406
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](#)