



Datasheet for ABIN968967

## anti-ARNTL antibody



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### Overview

Quantity:	100 µL
Target:	ARNTL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARNTL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	Purified recombinant fragment of human ARNTL expressed in E. coli.
Clone:	1C5
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	ARNTL
Alternative Name:	ARNTL ( <a href="#">ARNTL Products</a> )
Background:	Description: 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.

## Target Details

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Aliases: TIC, JAP3, MOP3, BMAL1, PASD3, BMAL1c, bHLHe5, MGC47515, ARNTL

Molecular Weight: 68.7 kDa

Gene ID: 406

HGNC: 406

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Protein targeting to Nucleus](#), [Warburg Effect](#)

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

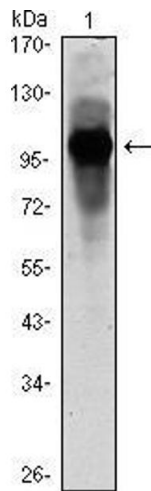
Storage Comment: 4°C, -20°C for long term storage

## Publications

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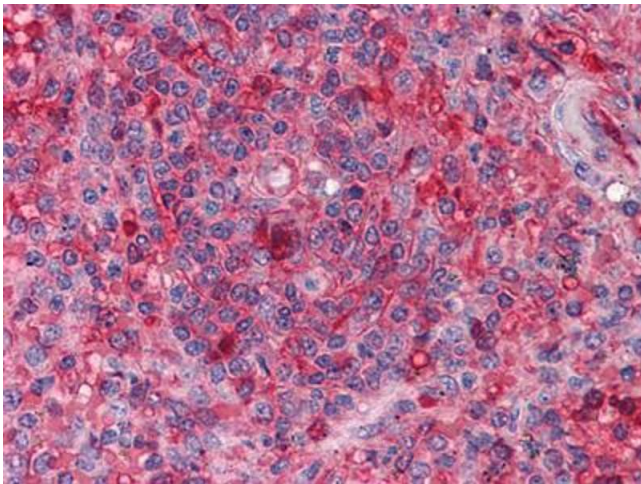
Product cited in: Helisalmi, Väkevä, Hiltunen, Soininen: "Flanking markers of cystatin c (CST3) gene do not show association with Alzheimer's disease." in: **Dementia and geriatric cognitive disorders**, Vol. 27, Issue 4, pp. 318-21, (2009) ([PubMed](#)).

Rehman, Fought, Solomon: "N-acetylcysteine effect on serum creatinine and cystatin C levels in CKD patients." in: **Clinical journal of the American Society of Nephrology : CJASN**, Vol. 3, Issue 6, pp. 1610-4, (2008) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis using ARNTL mouse mAb against ARBTL(AA: 1-310)-hIgGFc transfected HEK293 cell lysate.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human Spleen tissues using anti-ARNTL mouse mAb