

For Research Use Only

# ARNTL2 Polyclonal antibody

Catalog Number: 23908-1-AP



## Basic Information

<b>Catalog Number:</b> 23908-1-AP	<b>GenBank Accession Number:</b> BC000172	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 360 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56938	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WYA1	
<b>Isotype:</b> IgG	<b>Full Name:</b> aryl hydrocarbon receptor nuclear translocator-like 2	
<b>Immunogen Catalog Number:</b> AG21003	<b>Calculated MW:</b> 636 aa, 71 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human

**Positive Controls:**

WB : A549 cells, Calu-1 cells, HCT 116 cells, HT-29 cells, HeLa cells

## Background Information

ARNTL2 (Aryl Hydrocarbon Receptor Nuclear Translocator Like 2), also known as BMAL2 (Brain and Muscle ARNT-Like 2), is a core component of the circadian clock genes within the PAS (PER, ARNT, SIM) superfamily (PMID: 27671790). ARNTL2 has also been demonstrated to play an essential role in various tumors, it is associated with poor survival and immune infiltration in clear cell renal cell carcinoma and triple-Negative Breast Cancer (PMID: 34785930). Besides, ARNTL2 has also been found to promote metastasis of colon carcinoma and estrogen Receptor-Negative Breast Cancer (PMID: 27656887).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

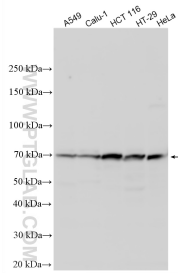
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23908-1-AP (ARNTL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.