

For Research Use Only

ARNTL2 Polyclonal antibody

Catalog Number:23908-1-AP



Basic Information

Catalog Number: 23908-1-AP	GenBank Accession Number: BC000172	Purification Method: Antigen Affinity purified
Source: Rabbit	GeneID (NCBI): 56938	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	UNIPROT ID: Q8WYA1	
Immunogen Catalog Number: AG21003	Full Name: aryl hydrocarbon receptor nuclear translocator-like 2	
	Calculated MW: 636 aa, 71 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, Calu-1 cells, HCT 116 cells, HT-29 cells, HeLa cells
Species Specificity: human	

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

For technical support and original validation data for this product please contact:

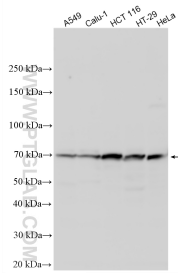
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Selected Validation Data



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.