

For Research Use Only

ARNT/HIF-1 beta Monoclonal antibody, PBS Only

Catalog Number: 66732-1-PBS



Basic Information

Catalog Number: 66732-1-PBS	GenBank Accession Number: BC060838	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 405	CloneNo.: 3B12C5
Source: Mouse	UNIPROT ID: P27540	
Isotype: IgG1	Full Name: aryl hydrocarbon receptor nuclear translocator	
Immunogen Catalog Number: AG5507	Calculated MW: 416 aa, 46 kDa, 87 kDa	
	Observed MW: 87 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Background Information

HIF1B(HIF-1 beta), also named as ARNT, is a 789 amino acid protein, which forms a heterodimer with AHR, AHRR, HIF1A and EPAS1/HIF2A as well as with other bHLH proteins. HIF1B is Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia

Storage

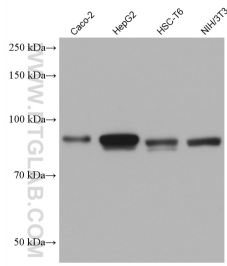
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

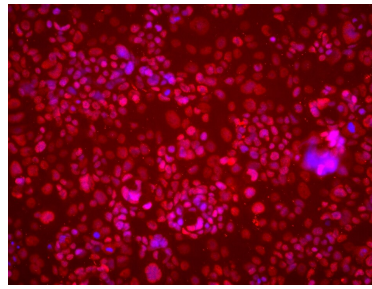
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

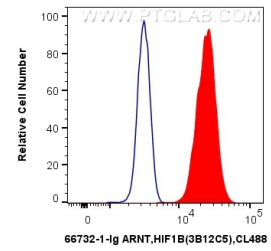
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66732-1-Ig (ARNT/HIF-1 beta antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66732-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HT-1376 cells using ARNT/HIF-1 beta antibody (66732-1-Ig, Clone: 3B12C5) at dilution of 1:1300 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 66732-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.5 ug Anti-Human ARNT/HIF-1 beta (66732-1-Ig, Clone:3B12C5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66732-1-PBS in a different storage buffer formulation.