

For Research Use Only

ARNT, HIF1B Monoclonal antibody

Catalog Number: 66732-1-Ig



Basic Information

Catalog Number: 66732-1-Ig	GenBank Accession Number: BC060838	Purification Method: Protein G purification
Size: 150ul, Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 405	CloneNo.: 3B12C5
Source: Mouse	Full Name: aryl hydrocarbon receptor nuclear translocator	Recommended Dilutions: WB 1:1000-1:6000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 416 aa, 46 kDa, 87 kDa	
Immunogen Catalog Number: AG5507	Observed MW: 87 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB: Caco-2 cells, NIH/3T3 cells, HeLa cells, HepG2 cells, HSC-T6 cells IF: HepG2 cells,

Background Information

HIF1B, 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

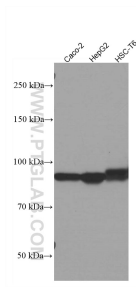
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

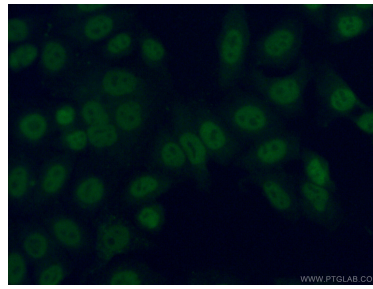
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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, HIF1B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66732-1-Ig (ARNT, HIF1B antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).