

For Research Use Only

ARNT, HIF1B Monoclonal antibody

Catalog Number: 66732-1-Ig



Basic Information

Catalog Number:

66732-1-Ig

Size:

1300 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5507

GenBank Accession Number:

BC060838

GeneID (NCBI):

405

UNIPROT ID:

P27540

Full Name:

aryl hydrocarbon receptor nuclear translocator

Calculated MW:

416 aa, 46 kDa, 87 kDa

Observed MW:

87 kDa

Purification Method:

Protein G purification

CloneNo.:

3B12C5

Recommended Dilutions:

WB 1:1000-1:6000

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : Caco-2 cells, HeLa cells, NIH/3T3 cells, HepG2 cells, HT-29 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:

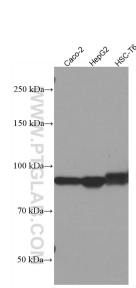
T: 4006900926

E: Proteintech-CN@ptglab.com

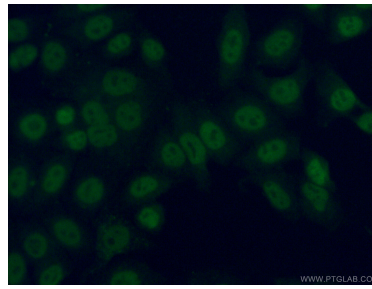
W: ptgcn.com

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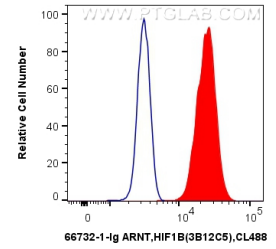
Selected Validation Data



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).



1X10⁶ HeLa cells were intracellularly stained with 0.5 ug Anti-Human ARNT, HIF1B (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).