

For Research Use Only

# ARNT, HIF1B Monoclonal antibody, PBS Only



Catalog Number: 66732-1-PBS

## Basic Information

Catalog Number:

66732-1-PBS

Size:

1mg/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 A purification

CloneNo.:

3B12C5

## Applications

Tested Applications:

WB, IF, ELISA

Species Specificity:

Human, mouse, rat

## 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 -80°C.

Storage Buffer:

PBS Only

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

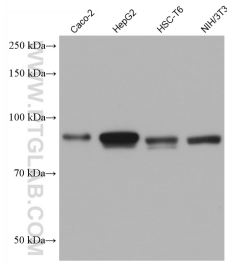
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

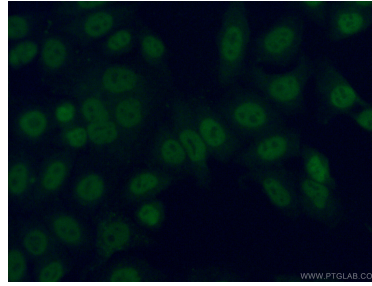
W: [ptgcn.com](http://ptgcn.com)

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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 1:5000 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 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). This data was developed using the same antibody clone with 66732-1-PBS in a different storage buffer formulation.