

For Research Use Only

ARNT/HIF-1 beta Polyclonal antibody, PBS Only

Catalog Number: 14105-1-PBS

Featured Product



Basic Information

Catalog Number:

14105-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5238

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:

86 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

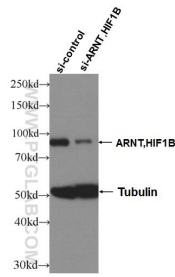
T: 4006900926

E: Proteintech-CN@ptglab.com

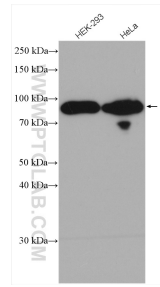
W: ptgcn.com

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

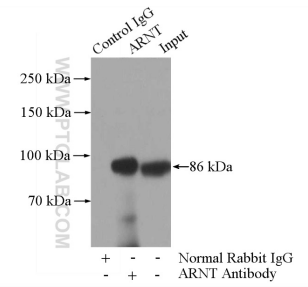
Selected Validation Data



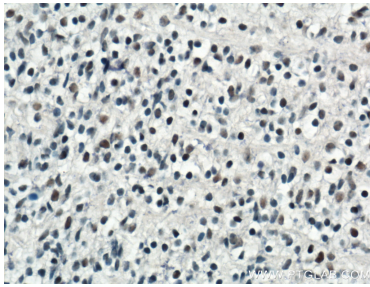
WB result of ARNT/HIF-1 beta antibody (14105-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ARNT, HIF1B transfected HeLa cells. This data was developed using the same antibody clone with 14105-1-PBS in a different storage buffer formulation.



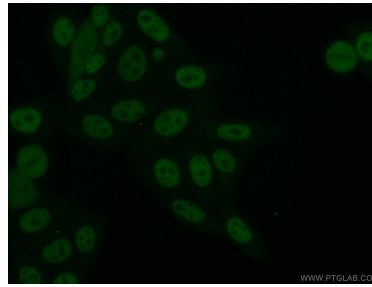
Various lysates were subjected to SDS PAGE followed by western blot with 14105-1-AP (ARNT/HIF-1 beta antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14105-1-PBS in a different storage buffer formulation.



IP result of anti-ARNT/HIF-1 beta (IP:14105-1-AP, 4ug; Detection:14105-1-AP 1:1000) with HepG2 cells lysate 3600ug. This data was developed using the same antibody clone with 14105-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 14105-1-AP (ARNT/HIF-1 beta Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14105-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 14105-1-AP (ARNT/HIF-1 beta antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 14105-1-PBS in a different storage buffer formulation.