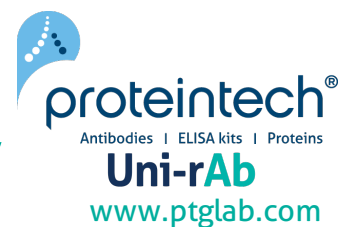


For Research Use Only

# CoraLite® Plus 488-conjugated ARNT/HIF-1 beta Recombinant antibody

Catalog Number: CL488-84650-4



## Basic Information

### Catalog Number:

CL488-84650-4

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### 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.:

242111G2

### Recommended Dilutions:

IF/ICC: 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF/ICC

### Species Specificity:

human, rat

### Positive Controls:

IF/ICC : HepG2 cells,

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

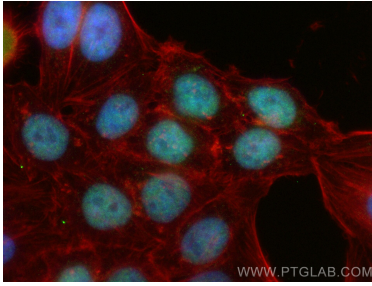
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

---

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 ARNT/HIF-1 beta antibody (CL488-84650-4, Clone: 242111G2 ) at dilution of 1:200, CL594-Phalloidin (red).