

CoraLite®594-conjugated ARNT,HIF1B Monoclonal antibody

Catalog Number:CL594-66732

Basic Information

Catalog Number:

CL594-66732

Size:

1000 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:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : 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:

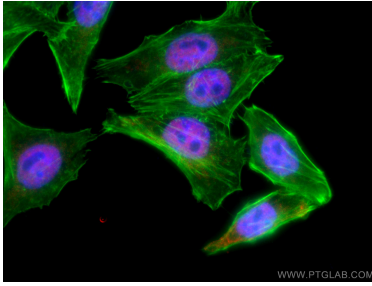
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

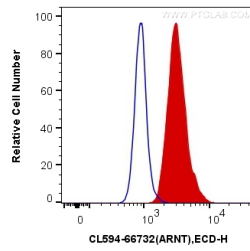
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594-conjugated ARNT,HIF1B antibody (CL594-66732, Clone: 3B12C5) at dilution of 1:200, CL488-Phalloidin (green).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human ARNT,HIF1B (CL594-66732, Clone:3B12C5) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).