

A16990

Leader in Biomolecular Solutions for Life Science



## HIF1 $\beta$ /ARNT Rabbit pAb

Catalog No.: A16990

### Basic Information

#### Observed MW

Refer to figures

#### Calculated MW

87kDa

#### Category

Polyclonal Antibody

#### Applications

IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. The encoded protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved in xenobiotic metabolism. This protein is also a co-factor for transcriptional regulation by hypoxia-inducible factor 1. Chromosomal translocation of this locus with the ETV6 (ets variant 6) gene on chromosome 12 have been described in leukemias. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

405

#### Swiss Prot

P27540

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 465-570 of human HIF1 $\beta$ /ARNT (NP\_001659.1).

#### Synonyms

HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta; HIF1 $\beta$ /ARNT

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

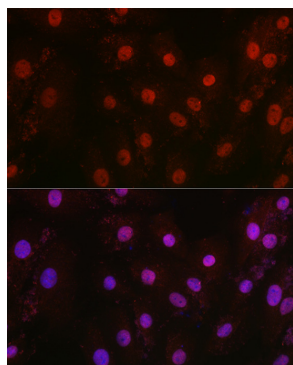
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

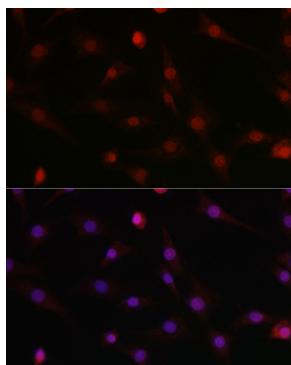
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

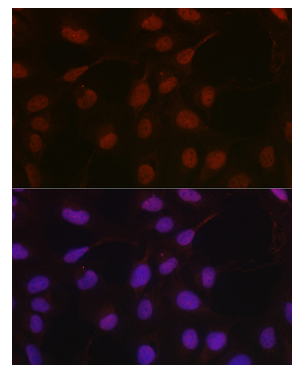
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Immunofluorescence analysis of H9C2 cells using HIF1 $\beta$ /ARNT Rabbit pAb (A16990) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using HIF1 $\beta$ /ARNT Rabbit pAb (A16990) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-S OS cells using HIF1 $\beta$ /ARNT Rabbit pAb (A16990) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.