

# HIF1 $\beta$ /ARNT Rabbit pAb

Catalog No.: A14705

## Basic Information

### Observed MW

87kDa

### Calculated MW

87kDa

### Category

Primary antibody

### Applications

ELISA, WB

### 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

WB 1:1000 - 1:5000

## Immunogen Information

### Gene ID

405

### Swiss Prot

P27540

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human HIF1 $\beta$ /ARNT (NP\_001659.1).

### Synonyms

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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

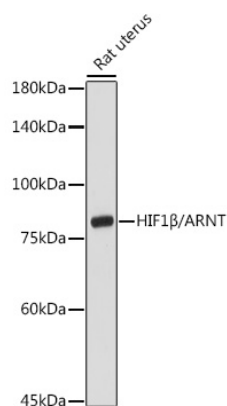
### Storage

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

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

## Validation Data

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Western blot analysis of extracts of Rat uterus, using HIF1 $\beta$ /ARNT antibody (A14705) at 1:3000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.