

# HIF1Beta/ARNT Rabbit Polyclonal Antibody



CAB0972

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

87kDa

### Calculated MW:

84kDa/85kDa/86kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

405

### Uniprot

P27540

### Synonyms:

ARNT; HIF-1-beta; HIF-1beta; HIF1-beta; HIF1B; HIF1BETA; TANGO;  
bHLHe2

### Immunogen:

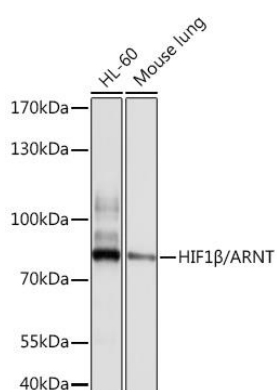
A synthetic peptide corresponding to a sequence within amino acids 400-500 of human HIF1Beta/ARNT (NP\_001659.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using HIF1beta/ARNT antibody (CAB0972) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.