

HIF-1 beta Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09890
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ARNT. AA range:31-80
Mol wt	86636
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Aryl hydrocarbon receptor nuclear translocator
Synonyms	Aryl hydrocarbon receptor nuclear translocator; ARNT; BHLHE2; Aryl hydrocarbon receptor nuclear translocator; ARNT protein; Class E basic helix-loop-helix protein 2; bHLHe2; Dioxin receptor; nuclear translocator; Hypoxia-inducible factor 1-beta; HIF-1-beta; HIF1-beta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 Dilution

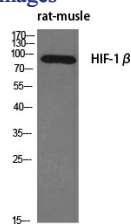
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

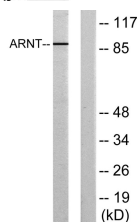
ELISA: 1: 20000

Not yet tested in other applications.

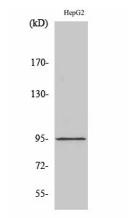
Images



Western Blot analysis of various cells using HIF-1 β Polyclonal Antibody diluted at 1:500



Western Blot analysis of HepG2 cells using HIF-1 β Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HepG2 cells, using ARNT Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for 1 year

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