

HIF-1 Beta/ARNT Monoclonal Antibody(4C5)

Description

Product type Primary Antibody

Code BT-MCA0676

Host Mouse

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Recombinant Protein of HIF-1 Beta

Mol wt N/A

Species reactivity Mouse

Clonality Monoclonal

Recommended application WB, IHC-p, IF

Concentration 1 mg/m

Full name Aryl hydrocarbon receptor nuclear translocator

Synonyms 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

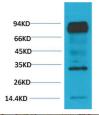
This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. The encoded protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved 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

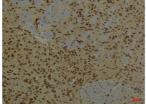
IHC: 1:100-200 WB: 1:1000-2000

Not yet tested in other applications.

Images



Western blot analysis of Mouse Brain Tissue with HIF-1 Beta/ARNT Mouse Monoclonal antibody diluted at 1:2.000.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using HIF-1 Beta/ARNT Mouse Monoclonal antibody diluted at 1:200.

Storage

-20°C for one year

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