

Mouse HIF-1 beta/ARNT Monoclonal Antibody | anti-HIF-1beta/ARNT antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320503	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

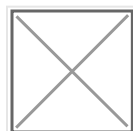
PRODUCT SYNONYMS

HIF-1 beta/ARNT; Monoclonal Antibody; HIF-1 beta/ARNT Monoclonal Antibody (4C5); 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); 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; anti-HIF-1beta/ARNT antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	4C5
Specificity	HIF-1 beta/ARNT protein detects endogenous levels of HIF-1 beta/ARNT
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HIF-1beta/ARNT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein of HIF-1 beta
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using HIF-1 ?/ARNT Mouse mAb diluted at 1:200.



WB (Western Blot)

Western blot analysis of Mouse Brain Tissue with HIF-1 ?/ARNT Mouse mAb diluted at 1:2,000.

ADDITIONAL INFORMATION

Related Product Information for anti-HIF-1beta/ARNT antibody

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. [provided by RefSeq, Oct 2013]

NCBI AND UNIPROT INFORMATION

NCBI GI #	309747071
NCBI GeneID	405
NCBI Accession #	NP_001184254.1
NCBI GenBank Nucleotide #	NM_001197325.1
UniProt Accession #	P27540; Q5QP39; Q8NDC7; C4AMA1
Molecular Weight	86,636 Da
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator isoform 4
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator
NCBI Official Symbol	ARNT
NCBI Official Synonym Symbols	HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator; dioxin receptor, nuclear translocator; class E basic helix-loop-helix protein 2; hypoxia-inducible factor 1, beta subunit
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator
UniProt Gene Name	ARNT
UniProt Synonym Gene Names	BHLHE2; ARNT protein; bHLHe2; HIF-1-beta; HIF1-beta
UniProt Entry Name	ARNT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/hif-1-beta-arnt-antibody-clone-4c5-immunofluorescence-immunohistochemistry-western-blot-elisa/320503>