

Rabbit anti-Human HIF1beta/ARNT Monoclonal Antibody | anti-ARNT antibody

HIF1beta/ARNT Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282729	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HIF1beta/ARNT; Monoclonal Antibody; HIF1beta/ARNT Rabbit mAb; HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta; anti-ARNT antibody

PRODUCT SPECIFICATIONS

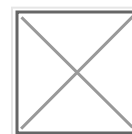
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	LAPRQQQQQT ELDMPVGRDG LASYNHSQVV QPVTITGPEH SKPLEKSDGL FAQDRDPRFS EIYHNINADQ SKGSSSTVP ATQQLFSQGN TFPPTPRPAE NFRNSGLAPP VTIVQPSASA GQMLAQISRH SNPTQGATPT WPTTTRSGFS AQQVATQATA KTRTSQFGVG SFQTPSSFSS MSLPGAPTAS PGAAAYPELT NRGSNFAPET GQTAGQFQTR TAEGVGWVPQ WQGQQPHRS SSSEQHVQQP PAQQPGQPEV FQEMLMLGD QNSYNNEEF PDLTMFPPFS E
Applicable Applications for anti-ARNT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 499-789 of human HIF-1 beta (P27540).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon using HIF1 β /ARNT Rabbit mAb (AAA282729) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from HeLa cells, using HIF1 β /ARNT Rabbit mAb (AAA282729) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-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.

Product Categories/Family for anti-ARNT antibody

Epigenetics Nuclear Signaling; Transcription Factors; Nuclear Receptor Signaling; Cancer; Invasion and Metastasis; Signal Transduction; mTOR Signaling Pathway; Endocrine Metabolism; Nucleotide metabolism; Cardiovascular; Angiogenesis; Hypoxia; Antibodies

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	Calculated MW: 87kDa Observed MW: 87kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hif1beta-arnt-antibody-immunohistochemistry-western-blot-elisa/282729>