

Rabbit Aryl hydrocarbon receptor nuclear translocator Polyclonal Antibody | anti-ARNT antibody

Anti-HIF1 beta Antibody

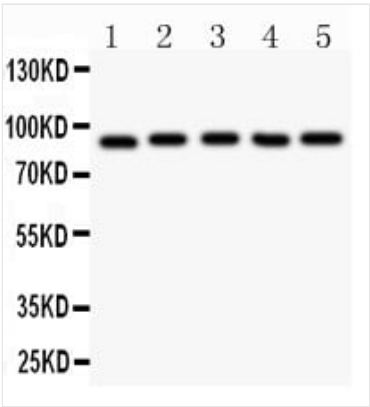
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46024	Rabbit	Human. No cross reactivity with other proteins.	Western Blot

PRODUCT SYNONYMS

Aryl hydrocarbon receptor nuclear translocator; Polyclonal Antibody; Anti-HIF1 beta Antibody; ARNT antibody; ARNT protein antibody; ARNT_HUMAN antibody; Aryl Hydrocarbon Receptor Nuclear Translocator antibody; bHLHe2 antibody; Class E basic helix-loop-helix protein 2 antibody; Dioxin Receptor antibody; Dioxin receptor nuclear translocator antibody; Drnt antibody; HIF 1 beta antibody; HIF 1beta antibody; HIF-1-beta antibody; HIF1-beta antibody; HIF1B antibody; HIF1beta antibody; Hypoxia Inducible Factor 1 antibody; Hypoxia inducible factor 1 beta antibody; Hypoxia-inducible factor 1-beta antibody; nuclear translocator antibody; Tango antibody; aryl hydrocarbon receptor nuclear translocator; anti-ARNT antibody

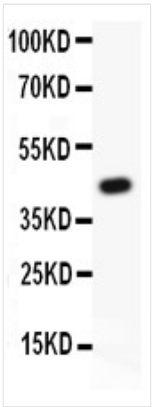
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	773
Applicable Applications for anti-ARNT antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human HIF1 beta recombinant protein (Position: V416-E789). Human HIF1 beta shares 86% and 83% amino acid (aa) sequences identity with mouse and rat HIF1 beta, respectively.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



Application Data

Anti-HIF1 beta Picoband antibody, AAA46024-2.jpgAll lanes: Anti HIF1 beta (AAA46024) at 0.5ug/mlLane 1: Hela Whole Cell Lysate at 40ugLane 2: 293T Whole Cell Lysate at 40ugLane 3: Jurkat Whole Cell Lysate at 40ugLane 4: U87 Whole Cell Lysate at 40ugLane5: Colo320 Whole Cell Lysate at 40ugPredicted bind size: 87KDObserved bind size: 87KD



Application Data

Anti-HIF1 beta Picoband antibody, AAA46024-1.jpgAll lanes: Anti HIF1 beta (AAA46024) at 0.5ug/mlWB: Recombinant Human HIF1 beta Protein 0.5ngPredicted bind size: 49KDObserved bind size: 49KD

ADDITIONAL INFORMATION

Related Product Information for anti-ARNT antibody

Description: Rabbit IgG polyclonal antibody for Aryl hydrocarbon receptor nuclear translocator(ARNT) detection. Tested with WB in Human.

Background: ARNT is also known as HIF1-beta or HIF1B. This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. It is mapped to 1q21.3. 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. ARNT is a structural component of the XRE-binding form of the Ah receptor. It also functions in concert with RelB in a CD30-induced negative feedback mechanism.

NCBI AND UNIPROT INFORMATION

NCBI GI #	309747071
NCBI GeneID	405
NCBI Accession #	NP_001184254.1
NCBI GenBank Nucleotide #	NM_001197325.1
UniProt Accession #	P27540; Q59ED4; Q5QP39; Q8NDC7; B2R9H1; C4AMA1; F8WAP6
Molecular Weight	86,366 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aryl-hydrocarbon-receptor-nuclear-translocator-antibody-western-blot-elisa/46024>