

Mouse anti-Human ARNT Monoclonal Antibody | anti-ARNT antibody

ARNT (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, BHLHE2) (FITC)

CATALOG # AAA25027	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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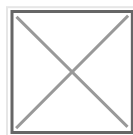
PRODUCT SYNONYMS

ARNT; Monoclonal Antibody; ARNT (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; BHLHE2) (FITC); anti-ARNT antibody

PRODUCT SPECIFICATIONS

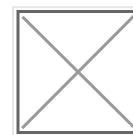
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3D10
Specificity	Recognizes human ARNT.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-ARNT antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-110 from human ARNT (AAH60838) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAATTANPEMTSDVPSLGPALASGNSGPGIQGGGAIVQRAIKRRPGLDFDDDGEGNSKFLRCDDQMSNDKERFARSDDEQSSADKERLARENHSEIER
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western blot analysis of ARNT over-expressed 293 cell line, cotransfected with ARNT Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ARNT monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



WB (Western Blot)

Western Blot analysis of ARNT expression in transfected 293T cell line by ARNT monoclonal antibody. Lane 1: ARNT transfected lysate (86.6kD). Lane 2: Non-transfected lysate.



Application Data

Detection limit for recombinant GST tagged ARNT is ~0.03ng/ml as a capture antibody



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to ARNT on HeLa cell. [antibody concentration 10ug/ml].



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to ARNT on formalin-fixed paraffin-embedded human lung. [antibody concentration 3ug/ml].



WB (Western Blot)

ARNT monoclonal antibody Western Blot analysis of ARNT expression in Hela NE.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ARNT antibody

[Antibodies](#); [Transcription Factors](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38173805
NCBI GeneID	405
Molecular Weight	86,366 Da
NCBI Official Full Name	Homo sapiens aryl hydrocarbon receptor nuclear translocator, mRNA
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; class E basic helix-loop-helix protein 2; dioxin receptor, nuclear translocator; hypoxia-inducible factor 1, beta subunit

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/arnt-antibody-clone-3d10-immunofluorescence-immunohistochemistry-western-blot-elisa/25027>