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) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25616	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

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) (PE); 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 R-Phycoerythrin (PE).
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	MAATTANPEMTSDVPSLGPAIASGNSGPGIQGGGAIVQRAIKRRPGLDFDDDGEGNSKFLRCDDDQMSNDKERFARSDDEQSSADKERLARENHSEIEF
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifu vial 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 antibod

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/25616