

Rabbit ARNT2 Polyclonal Antibody | anti-ARNT2 antibody

ARNT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324135	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ARNT2; Polyclonal Antibody; ARNT2 Antibody; ARNT protein 2; ARNT2_HUMAN; Aryl hydrocarbon receptor nuclear translocator 2; bHLHe1; Class E basic helix-loop-helix protein 1; anti-ARNT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARNT2 antibody detects endogenous levels of total ARNT2
Purity/Purification	Peptide affinity purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	717
Applicable Applications for anti-ARNT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARNT2, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20°C.

IMAGES



IF (Immunofluorescence)

AAA324135 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using ARNT2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ARNT2 antibody	Function: Transcription factor that plays a role in the development of the hypothalamo-pituitary axis, postnatal brain growth, and visual and renal function (PubMed:24022475). Specifically recognizes the xenobiotic response element (XRE). Subunit Structure: Efficient DNA binding requires dimerization with another bHLH protein (By similarity). Heterodimer with NPAS4 (PubMed:24465693). Heterodimer with the aryl hydrocarbon receptor (AHR) or the SIM1 protein (By similarity). Interacts with TACC3 (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68303555
NCBI GeneID	9915
NCBI Accession #	NP_055677.3
NCBI GenBank Nucleotide #	NM_014862.3
UniProt Accession #	Q9HBZ2; O15024; Q8IYC2; B4DIS7
Molecular Weight	Observed: 79 kD Predicted: 79 kDa
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator 2
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator 2
NCBI Official Symbol	ARNT2
NCBI Official Synonym Symbols	WEDAS; bHLHe1
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator 2
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator 2
UniProt Gene Name	ARNT2
UniProt Synonym Gene Names	BHLHE1; KIAA0307; ARNT protein 2; bHLHe1

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/arnt2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324135>