

DATASHEET

ARNT2 Rabbit Polyclonal Antibody

CAT. NO. APA08755

KEY FEATURES

Target	ARNT2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Transcription factor that plays a role in the development of the hypothalamo-pituitary axis, postnatal brain growth, and visual and renal function . Specifically recognizes the xenobiotic response element (XRE).

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ARNT2
Specificity	Recognizes endogenous levels of ARNT2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ARNT2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 78 kD; Observed: 75 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BHLHE1; KIAA0307; Aryl hydrocarbon receptor nuclear translocator 2; ARNT protein 2; Class E basic helix-loop-helix protein 1; bHLHe1
Gene Symbol	ARNT2
Entrez Gene	9915(Human); 11864(Mouse); 25243(Rat)
SwissProt	Q9HBZ2(Human); Q61324(Mouse); Q78E60(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

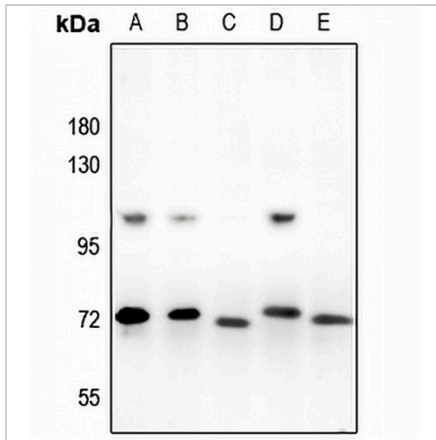
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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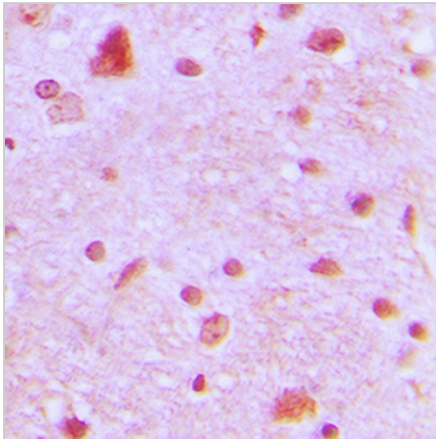
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Western blot analysis of ARNT2 expression in K562 (A), A549 (B), HeLa (C), Beas2B (D), BV2 (E) whole cell lysates. (Predicted band size: 78 kD; Observed band size: 75 kD)



Immunohistochemical analysis of ARNT2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.