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Anti-ARNT2 Antibody

Catalog # AP60079

Product Information

Application	WB, IHC
Primary Accession	Q9HBZ2
Reactivity	Human, Mouse, Rat, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78691

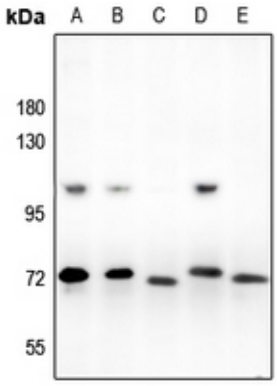
Additional Information

Gene ID	9915
Other Names	BHLHE1; KIAA0307; Aryl hydrocarbon receptor nuclear translocator 2; ARNT protein 2; Class E basic helix-loop-helix protein 1; bHLHe1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ARNT2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

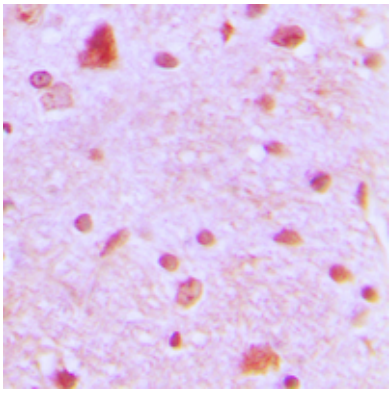
Protein Information

Name	ARNT2
Synonyms	BHLHE1, KIAA0307
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).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981, ECO:0000269|PubMed:24465693}

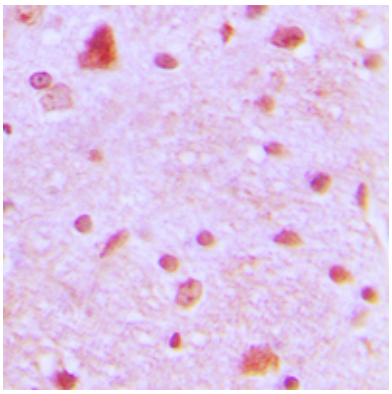
Images



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.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.