

**KB551**

For research use only

# Anti Human ARNT Polyclonal Antibody

**Code No.** KB551  
**Target** ARNT  
**Category** Transporter  
**Gene ID** 405  
**Primary Source** HGNC:700  
**Synonyms** HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; ARNT

**Type** Polyclonal Antibody  
**Immunogen** Recombinant protein of full length Human ARNT

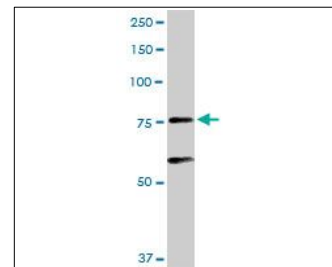
**Raised in** Mouse  
**Myeloma** -  
**Clone number** -  
**Purification** Protein A purified  
**Source** Mouse Serum  
**Isotype** -  
**Cross Reactivity** -  
**Label** Unlabeled  
**Concentration** 1 mg/mL  
**Contents (Volume)** 50 µg  
**Buffer** PBS, pH 7.2

**Storage** Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

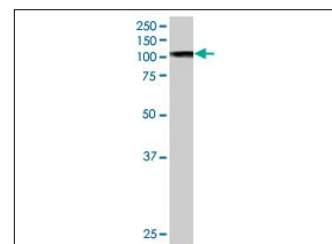
**Application** WB,IF

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	-	10	-

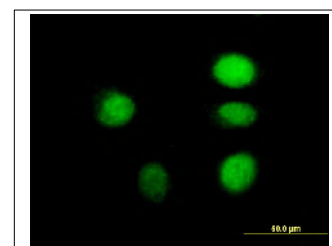
(µg/mL)



[WB] HepG2 cell lysate



[WB] ARNT transfected 293T cell lysate



[IF] HeLa cell

## Reference

- Hoffman E.C., et al. "Cloning of a factor required for activity of the Ah (dioxin) receptor." *Science* 252:954-958(1991)
- Ota T., et al. "Complete sequencing and characterization of 21,243 full-length human cDNAs." *Nat. Genet.* 36:40-45(2004)
- Bechtel S., et al. "The full-ORF clone resource of the German cDNA consortium." *BMC Genomics* 8:399-399(2007)

## UniPlot Summary

//Function: Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia.

//Subcellular location: Nucleus.

//Sequence similarities: Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains.