

Goat anti-ARNT (aa69-82) Antibody

Item Number	dAP-3067
Target Molecule	Principle Name: ARNT (aa69-82); Official Symbol: ARNT; All Names and Symbols: ARNT; aryl hydrocarbon receptor nuclear translocator; HIF-1-beta; HIF-1beta; HIF1-beta; HIF1B; HIF1BETA; TANGO; bHLHe2; OTTHUMP00000218217; OTTHUMP00000218218; OTTHUMP00000218220; class E basic helix-loop-helix protein 2; dioxin receptor, nuclear transloc; Accession Number (s): NP_001659.1;; Human Gene ID(s): 405; Non-Human GeneID(s): 11863 (mouse) 25242 (rat)
Immunogen	CNDKERFARSDEQS, is from internal region (near N Terminus) This antibody is expected to recognize all reported isoform 1 (NP_001659.1) only.
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	Western Blot: Approx 90kDa band observed in nuclear lysates of cell lines HeLa and HepG2 (calculated MW of 86.6kDa according to NP_001659.1). Recommended concentration: 2-4µg/ml.
IHC	
Reference	Reference(s): Otsubo K, Kanegane H, Eguchi M, Eguchi-Ishimae M, Tamura K, Nomura K, Abe A, Ishii E, Miyawaki T. ETV6-ARNT fusion in a patient with childhood T lymphoblastic leukemia. Cancer Genet Cytogenet. 2010 Oct 1;202(1):22-6..PMID: 20804916->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**