

Goat anti-ARNT (aa558-570) Antibody

Item Number dAP-3060

Target Molecule Principle Name: ARNT (aa558-570); 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; NP_848514.1; NP_001184254.1; Human Gene ID(s): 405; Non-Human GeneID(s):

Immunogen SEIYHNINADQSK, is from internal region
This antibody is expected to recognize all reported isoforms (NP_001659.1; NP_848514.1; NP_001184254.1).

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 64000.

Western Blot Western Blot: Approx 100kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 86.6kDa according to NP_001659.1). Recommended concentration: 1-3µg/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 end users! This product is sold for **Research Use Only**