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Research Use Only. Not for diagnostic or therapeutic use.

EB11219 - Goat Anti-ARNT (aa69-82) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aryl hydrocarbon receptor nuclear translocator, bHLHe2, class E basic helix-loop-helix protein 2, dioxin receptor, nuclear translocator, HIF1B, HIF1BETA, HIF1-beta, HIF-1-beta, hypoxia-inducible factor 1, beta subunit, OTTHUMP00000218217, OTTHUMP00000218218, OTTHUMP00000218220, TANGO, ARNT

Official Symbol: ARNT

Accession Number(s): NP_001659.1;

Human GeneID(s): 405

Non-Human GenelD(s): 11863 (mouse), 25242 (rat)

Important Comments: This antibody is expected to recognize all reported isoform 1

(NP_001659.1) only.

Immunogen

Peptide with sequence CNDKERFARSDDEQS, from the internal region (near N Terminus) of the protein sequence according to NP_001659.1;.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

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.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB11219 (2μg/ml) staining of HepG2 nuclear lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.