

## UK Office

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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-1beta, 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 GeneID(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

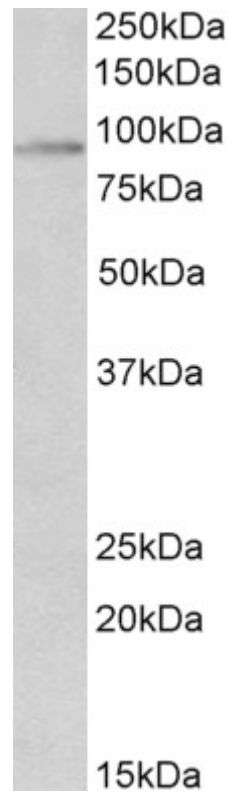
**Peptide ELISA:** antibody detection limit dilution 1:4000.

**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



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