



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11218 - Goat Anti-ARNT (aa558-570) 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; NP\_848514.1; NP\_001184254.1

**Human GeneID(s):** [405](#)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_001659.1; NP\_848514.1; NP\_001184254.1).

### Immunogen

Peptide with sequence C-SEIYHNINADQSK, from the internal region of the protein sequence according to NP\_001659.1; NP\_848514.1; NP\_001184254.1.

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 1:64000.

**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.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Dog



EB11218 (1 $\mu$ g/ml) staining of HeLa nuclear lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.