

## UK Office

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

## EB09178 - Goat Anti-BMAL1 / ARNTL Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ARNTL, BMAL1, aryl hydrocarbon receptor nuclear translocator-like, BMAL1c, JAP3, MGC47515, MOP3, PASD3, TIC, ARNT-like protein 1, brain and muscle, bHLH-PAS protein JAP3, basic-helix-loop-helix-PAS orphan MOP3, member of PAS superfamily 3

**Official Symbol:** ARNTL

**Accession Number(s):** NP\_001169.3; NP\_001025444.1

**Human GeneID(s):** [406](#)

**Non-Human GeneID(s):** 11865 (mouse), 29657 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001025444.1; NP\_001025443.1). Reported variants represent identical protein (NP\_001025443.1; NP\_001169.3).

### Immunogen

Peptide with sequence REKITTNCYKFKIKD, from the internal region of the protein sequence according to NP\_001169.3; NP\_001025444.1.

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

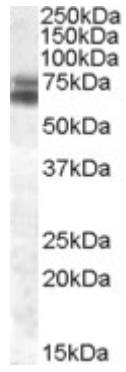
**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx. 70+75kDa bands observed in Human Brain (Cerebellum) lysates (calculated MW of 68.7kDa according to NP\_001169.3 and 64.1kDa according to NP\_001025444.1). Recommended concentration: 0.3-1µg/ml.

### Species Reactivity

**Tested:** Human

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



EB09178 (0.3 $\mu$ g/ml) staining of Human Brain (Cerebellum) lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.