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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 GenelD(s): 406

Non-Human GenelD(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 (0.3μg/ml) staining of Human Brain (Cerebellum) lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.