

Goat anti-CLOCK (aa458-472) Antibody

Item Number	dAP-2934
Target Molecule	Principle Name: CLOCK (aa458-472); Official Symbol: CLOCK; All Names and Symbols: CLOCK; clock homolog (mouse); KAT13D; bHLHe8; circadian locomoter output cycles kaput protein; circadian locomoter output cycles protein kaput; class E basic helix-loop-helix protein 8; Accession Number (s): NP_004889.1; Human Gene ID(s): 9575; Non-Human GeneID(s): 12753 (mouse)
Immunogen	DTSTPPRQHLPAHEK, is from internal region Reported variants represent identical protein: NP_004889.1, NP_001254772.1
Applications	Pep ELISA, WB Species Tested: Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 100kDa band observed in Mouse and Rat Skeletal Muscle lysates (calculated MW of 96.4kDa according to Mouse NP_031741.1 and 97.0kDa according to Rat NP_068628.1). Recommended concentration: 0.03-0.1μg/ml.
IHC	
Reference	Reference(s): Williams SR, Zies D, Mullegama SV, Grotewiel MS, Elsea SH. Smith-Magenis syndrome results in disruption of CLOCK gene transcription and reveals an integral role for RAI1 in the maintenance of circadian rhythmicity. American journal of human genetics 2012 Jun 90 (6): 941-9.. PMID: 22578325->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**