

CLOCK Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252186

Unit: 0.1 mg

Description:

CLOCK (Circadian locomoter output cycles protein kaput) heterodimers activate E-box element (3'-CACGTG-5') transcription of a number of proteins of the circadian clock. CLOCK activates transcription of PER1 and PER2. This transcription is inhibited in a feedback loop by PER and CRY proteins. CLOCK has intrinsic histone acetyltransferase activity and this enzymatic function contributes to chromatin-remodeling events implicated in circadian control of gene expression. CLOCK acetylates primarily histones H3 and H4.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

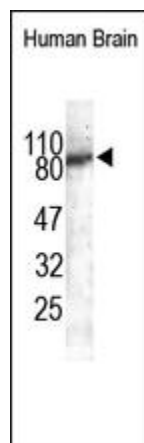
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 1% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Circadian locomoter output cycles protein kaput; hCLOCK; Class E basic helix-loop-helix protein 8; CLOCK; BHLHE8; KIAA0334

Accession No.: O15516

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CLOCK.

Application Notes: E: 1:10,000-1:50,000; WB: 1:200-1:500



The CLOCK Antibody is used in Western blot to detect CLOCK in human brain lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.