

Clock Polyclonal Antibody

CATALOG NO:	3896-30T	30 µg (Trial size)
	3896-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 842 of mouse Clock (Internal ID# BV-C23)	
SPECIES REACTIVITY:	Human, Mouse, Rat	

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS: Store at -20°C. For long term storage, store at -70°C.

DESCRIPTION:

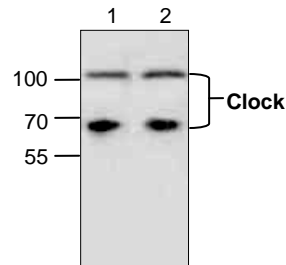
Clock is a basic helix-loop helix (bHLH) transcription factor that regulates circadian rhythms and sleep cycles. Clock contain a DNA-binding domain, a protein dimerization domain that heterodimerizes with BMAL1 and a glutamine-rich C terminus region. Clock dimerization with BMAL helps regulate nuclear translocation and binding of Clock to the E box elements stimulates circadian genes transcription.

SPECIFICITY:

The antibody recognizes the 100 kDa and the ~62 kDa isoforms of CLOCK in samples from human, mouse and rat origins. Reactivity to other species has not been tested.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3896BP-50) is available separately.



Cat.#: 3896-100
Western blot analysis of Clock expression in Jurkat cell lysate (Lane 1 & 2).

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Nuclear Apoptosis Kits & Reagents
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