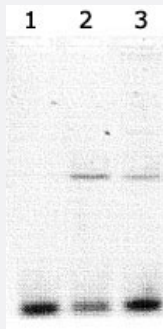


Clock polyclonal antibody

Catalog # PAB12145 Size 100 uL

Applications



Immunoprecipitation

Lanes 1-3 contained Clock polyclonal antibody (Cat # PAB12145) immunoprecipitated DNA (15, 10 and 5 uL of antisera added respectively to the 900 uL of sonicated chromatin sample in the ChIP assay).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Clock.
Immunogen	A mixture of two synthetic peptides (conjugated with albumin) corresponding to mouse Clock.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to CLOCK.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In antiserum
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- ChIP
- Western Blot
- Immunoprecipitation

Lanes 1-3 contained Clock polyclonal antibody (Cat # PAB12145) immunoprecipitated DNA (15, 10 and 5 uL of antisera added respectively to the 900 uL of sonicated chromatin sample in the ChIP assay).

Gene Info — Clock

Entrez GeneID [12753](#)

Protein Accession# [O08785](#)

Gene Name Clock

Gene Alias 5330400M04Rik, KAT13D, mKIAA0334

Gene Description circadian locomoter output cycles kaput

Gene Ontology [Hyperlink](#)

Other Designations clock

Publication Reference

- [Circadian Transcription. Thinking outside the E-Box.](#)

Munoz E, Brewer M, Baler R.

The Journal of Biological Chemistry 2002 Sep; 277(39):36009.

Application: WB-Tr, Mouse, NIH-3T3 cells

- [Photic induction of Period gene expression is reduced in Clock mutant mice.](#)

Shearman LP, Weaver DR.

Neuroreport 1999 Feb; 10(3):613.

- [A molecular mechanism regulating rhythmic output from the suprachiasmatic circadian clock.](#)

Jin X, Shearman LP, Weaver DR, Zylka MJ, de Vries GJ, Reppert SM.

Cell 1999 Jan; 96(1):57.

- [Circadian rhythms. An end in the beginning.](#)

Dunlap J.

Science 1998 Jun; 280(5369):1548.

Application: WB-Ce, WB-Tr, Human, Mammalian cells

- [The basic-helix-loop-helix-PAS orphan MOP3 forms transcriptionally active complexes with circadian and hypoxia factors.](#)

Hogenesch JB, Gu YZ, Jain S, Bradfield CA.

PNAS 1998 May; 95(10):5474.