

Product Datasheet

CLOCK Antibody NB100-126

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB100-126**CLOCK Antibody**

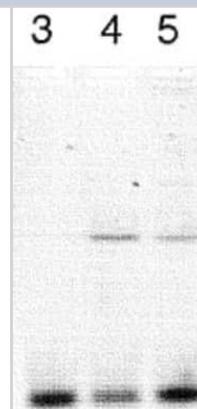
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description	
Host	Rabbit
Gene ID	9575
Gene Symbol	CLOCK
Species	Human, Mouse
Immunogen	Two peptides derived from mouse CLOCK conjugated to albumin. [UniProt# O08785]

Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	This CLOCK antibody is useful for Western blot and Chromatin Immunoprecipitation. It has been tested against bacterially expressed fragment of CLOCK expressed in BL21 cells or the full length protein expressed in an in vitro translation system (reticulocyte lysate).

Images

Western Blot: CLOCK Antibody [NB100-126] - Lanes 3-5 contained alpha CLOCK immunoprecipitated mouse DNA (15, 10 and 5 ul of antisera added respectively to the 900 ul of sonicated chromatin sample in the ChIP assay).



Publications

Guillaume Rey, Utham K. Valekunja, Kevin A. Feeney, Lisa Wulund, Nikolay B. Milev, Alessandra Stangherlin, Laura Ansel-Bollepalli, Vidya Velagapudi, John S. O'Neill, Akhilesh B. Reddy The Pentose Phosphate Pathway Regulates the Circadian Clock Cell Metabolism 2016-09-13 [PMID: 27546460]

Menet JS, Rodriguez J, Abruzzi KC, Rosbash M. Nascent-Seq reveals novel features of mouse circadian transcriptional regulation *elife* 2012-01-01 [PMID: 23150795] (Chemotaxis, Mouse)

Xu CX, Krager SL, Liao DF et al. Disruption of CLOCK-BMAL1 transcriptional activity is responsible for aryl hydrocarbon receptor-mediated regulation of Period1 gene. *Toxicol Sci*;115(1):98-108. 2010-05-01 [PMID: 20106950] (Chemotaxis, Mouse)

Munoz E, Brewer M, Baler R. Circadian Transcription. Thinking outside the E-Box. *J Biol Chem*;277(39):36009-17. 2002-09-27 [PMID: 12130638] (WB, Mouse)





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Products Related to NB100-126

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00009575-Q01-10ug	Recombinant Human CLOCK GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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