

# Product Datasheet

## PER1 Antibody - BSA Free NBP2-24589

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-24589**

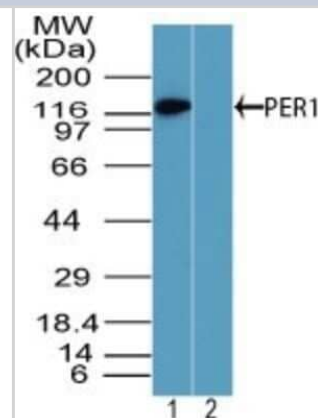
PER1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	5187
Gene Symbol	PER1
Species	Human, Mouse, Bovine, Canine, Equine, Primate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29937374).
Immunogen	A portion of amino acids 1150-1200 of human PER1 was used as the immunogen.
Product Application Details	
Applications	Western Blot, Simple Western, Immunoblotting, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 5-10 ug/ml, Simple Western 1:1000 - 1:5000, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml, Immunoblotting reported in scientific literature (PMID 29937374), Knockout Validated reported in scientific literature (Hamilton et al)

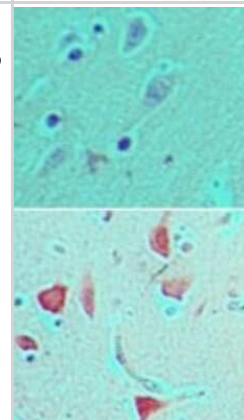


## Images

Western Blot: PER1 Antibody [NBP2-24589] - Analysis of PER1 in HEPG2 cell lysates in the 1) absence and 2) presence of immunizing peptide using NBP2-24589. Goat anti-rabbit Ig HRP secondary antibody and PicoTest ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: PER1 Antibody [NBP2-24589] - Human brain tissue using an isotype control (top) and NBP2-24589 (bottom) at 5 ug/ml.



## Publications

Colleen M. Bartman, Lisa Nesbitt, Kenge K. Lee, Latifa Khalfaoui, Yun-Hua Fang, Christina M. Pabelick, Y. S. Prakash BMAL1 sex-specific effects in the neonatal mouse airway exposed to moderate hyperoxia *Physiological Reports* 2024-06-28 [PMID: 38942729]

Singh G Role of Glucose-induced Transcription Factor Signalling and Mitochondrial Epigenetics in Stress Tolerant Wood Frog, *Rana sylvatica* Thesis 2022-12-16 (Western Blot, Amphibian)

Details:  
Wood Frog

Hamilton K. Basic Helix Loop Helix Enhancer 40 in Neuronal Excitability and Synaptic Plasticity Dissertation 2016-01-01 (KO, WB, Mouse)

Toledo M, Batista-Gonzalez A, Merheb E et al. Autophagy Regulates the Liver Clock and Glucose Metabolism by Degrading CRY2 *Cell Metab.* 2018-08-07 [PMID: 29937374] (IB, Mouse)



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### **Products Related to NBP2-24589**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-57005PEP	PER1 Recombinant Protein Antigen

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### **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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