

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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NBP2-24589

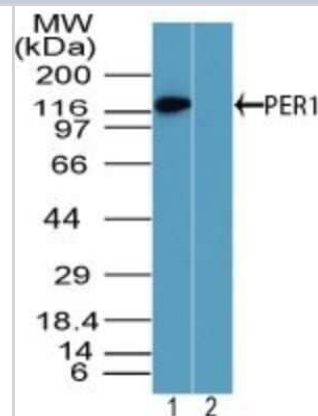
PER1 Antibody - BSA Free

| 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 | |
| Description | Novus Biologicals Knockout (KO) Validated Rabbit PER1 Antibody - BSA Free (NBP2-24589) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-PER1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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, Immunohistochemistry-Paraffin, Immunoblotting, Immunohistochemistry, 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) |
| Application Notes | See Simple Western Antibody Database for Simple Western validation: Tested in C57BL/6 liver whole-cell lysate (CT15), separated by Size, antibody dilution of 1:1000, 1:2000, 1:5000, apparent MW was 146 kDa |

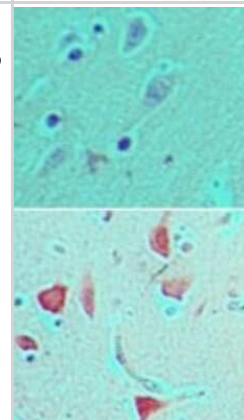


Images

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

| | |
|---------------|---|
| 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 |

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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