

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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technical@novusbio.com

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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

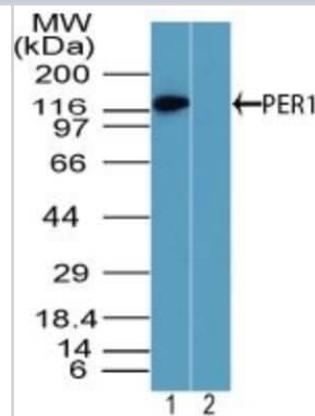
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit PER1 Antibody - BSA Free (NBP2-24589) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-PER1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

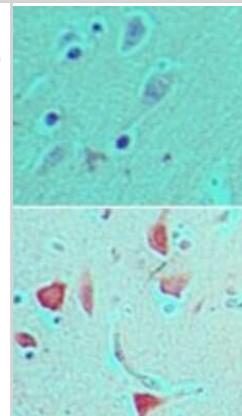


Images

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 PicoTect 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)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-24589

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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