Product Datasheet

COS-7 Nuclear Hypoxic Induced Cell Lysate
NB800-PC26

Unit Size: 4 Vials

Store at -80C. Avoid freeze-thaw cycles.

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Publications: 7

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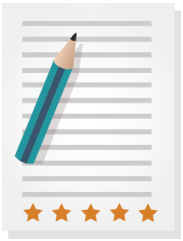


NB800-PC26

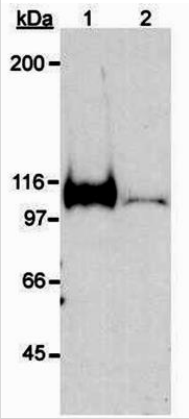
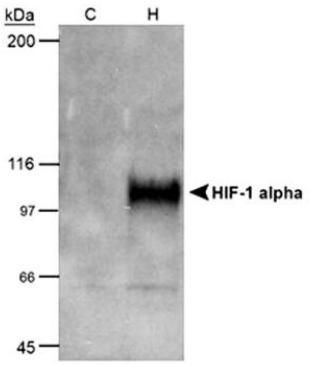
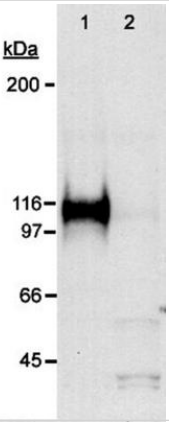
COS-7 Nuclear Hypoxic Induced Cell Lysate

Product Information	
Unit Size	4 Vials
Concentration	2.5 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	20% glycerol
Buffer	20 mM Hepes (pH 7.5), 400 mM NaCl, 0.1 mM EDTA, 10 mM NaF, 10 uM Na2MoO4, 1 mM NaVO3, 10 mM PNPP, 10 mM beta-glycerophosphate, 1 mM DTT and protease inhibitors.

Product Description	
Species	Human
Specificity/Sensitivity	NB800-PC26 contains hypoxia induced and uninduced COS-7 nuclear extract lysate
Notes	NB800-PC26 packaging includes 0.2 mg untreated and 0.2 mg treated of COS-7 nuclear extract. NB800-PC26 COS-7 nuclear extract was collected in Lysis Buffer after a 16-hour incubation with CoCl2 (0.15 mM).
Lysate Type	Cell
Lysate Tissue	Digestive/Waste
Lysate Subcellular Fraction	Nuclear Hypoxic Induced

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot
Application Notes	Extracts have been quality control tested by Western blot. Before use mix 1:1 with 2X Sample Buffer and heat to 90C for 5 minutes before running on gel.

Images

Western Blot: COS-7 Nuclear Hypoxic Induced Cell Lysate [NB800-PC26] - WB analysis of 50ug nuclear lysate of COS7 cells which were treated with Cobalt Chloride / CoCl2 (Lane 1) or were left untreated (Lane 2) before preparation of lysates (catalog# NB800-PC26). The blot was developed using HIF-1 alpha antibody (catalog# NB100-449).	
Western Blot: COS-7 Nuclear Hypoxic Induced Cell Lysate [NB800-PC26] - WB analysis of 50ug nuclear lysate of COS7 cells which were left untreated (C) or were treated with Cobalt Chloride / CoCl2 (H) before preparation of lysates (catalog# NB800-PC26). The blot was developed using HIF-1 alpha antibody (clone H1alpha67; catalog# NB100-105).	
Western Blot: COS-7 Nuclear Hypoxic Induced Cell Lysate [NB800-PC26] - WB analysis of 50ug nuclear lysate of COS7 cells which were treated with Cobalt Chloride / CoCl2 (Lane 1) or were left untreated (Lane 2) before preparation of lysates (catalog# NB800-PC26). The blot was developed using HIF-1 alpha antibody (catalog# NB100-479).	

Publications

Kletkiewicz H, Hyjek M, Jaworski K et al. Activation of hypoxia-inducible factor-1a in rat brain after perinatal anoxia: role of body temperature.. Int J Hyperthermia. 2017 Oct 23 [PMID: 28974122] (WB, Human)

Smeyne M, Sladen P, Jiao Y et al. HIF1a is necessary for exercise-induced neuroprotection while HIF2a is needed for dopaminergic neuron survival in the substantia nigra pars compacta. Neuroscience. 2015 Mar 19 [PMID: 25796140] (WB)

Tam, KKY. The role of hypoxia inducible factors in regulating ovarian function. Thesis (PhD) University of Adelaide, School of Paediatrics and Reproductive Health, 2010. 2010 (WB)

Huang C, Hales BF. Teratogen responsive signaling pathways in organogenesis stage mouse limbs. Reprod Toxicol 2009 Apr [PMID: 19429390] (WB)

Huang C, Hales BF. Effects of exposure to a DNA damaging agent on the hypoxia inducible factors in organogenesis stage mouse limbs PLoS One 2012 [PMID: 23251655] (WB)

Srinivasan S, Dunn JF. Stabilization of hypoxia-inducible factor-1a in buffer containing cobalt chloride for Western blot analysis Anal Biochem 2011 Sep 1 [PMID: 21601556] (WB)

Zhao M, Fajardo GA, Urashima T et al. Cardiac Pressure Overload Hypertrophy is Differentially Regulated by {beta}-Adrenergic Receptors. Am J Physiol Heart Circ Physiol;301(4):H1461-70. 2011 Oct. [PMID: 21705675]

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
novus@novusbio.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: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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