# 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: 8**

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www.novusbio.com/NB800-PC26

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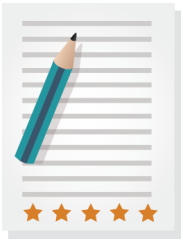


# NB800-PC26

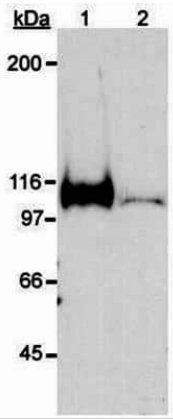
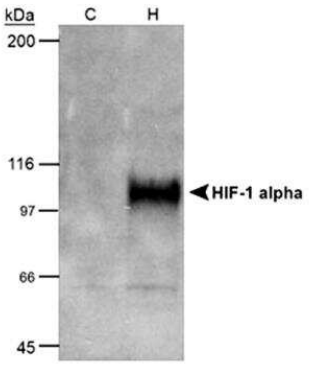
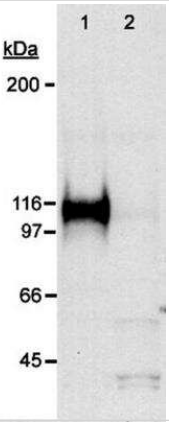
COS-7 Nuclear Hypoxic Induced Cell Lysate

| 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 | |
|---|---|
| **Description** | 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). |
| **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


Manuprasert W, Leelahavanichkul A, Kanjanabuch S et al. Intermittent hypoxia in rat enhancing peritoneal membrane thickening through HIF-1?-induced cytokines in peritoneum Asian Pacific Journal of Allergy and Immunology 2022-01-01 [PMID: 31837216]

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. 2017-10-23 [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. 2015-03-19 [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. 2010-01-01 (WB)

Huang C, Hales BF. Teratogen responsive signaling pathways in organogenesis stage mouse limbs. Reprod Toxicol 2009-04-01 [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 2012-01-01 [PMID: 23251655] (WB)

Srinivasan S, Dunn JF. Stabilization of hypoxia-inducible factor-1a in buffer containing cobalt chloride for Western blot analysis Anal Biochem 2011-09-01 [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. 2011-10-01 [PMID: 21705675]

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**Limitations**
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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