

Product Datasheet

Nrf1 Antibody - BSA Free NBP1-89125

Unit Size: 0.1 ml

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

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NBP1-89125

Nrf1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

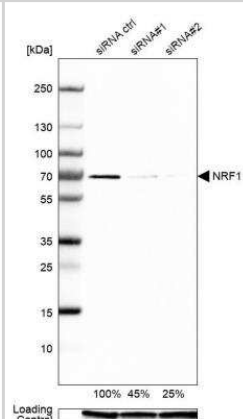
Product Description	
Description	Novus Biologicals Rabbit Nrf1 Antibody - BSA Free (NBP1-89125) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Nrf1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4899
Gene Symbol	NRF1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31451517).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ATVATLADASELPPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTIQTTQASEA TQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEATLQGGGGQIVL SGETAAAVGALTGVQDANGLFMADRAGRKWILTD

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200, Knockdown Validated, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

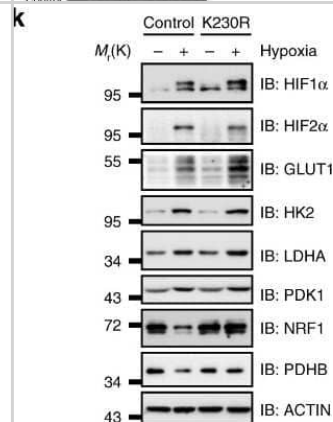


Images

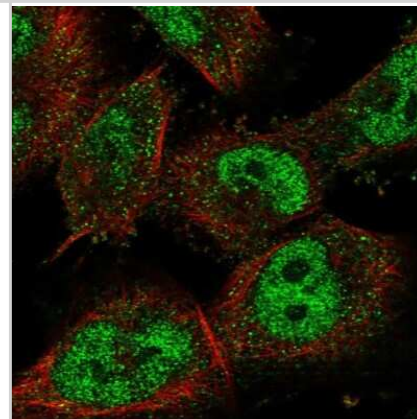
Western Blot: Nrf1 Antibody [NBP1-89125] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



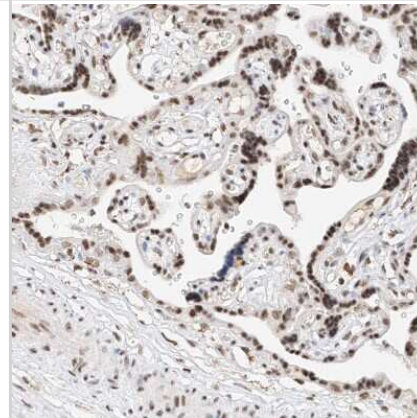
Western Blot: Nrf1 Antibody [NBP1-89125] - The SIAH2-NRF1 axis facilitates hypoxia-induced metabolic reprogramming. Wild-type or K230R stably expressed MDA-MB-231 cells were cultured under normoxia or hypoxia for 36 h. Cells were harvested and analyzed by western blotting with indicated antibodies. Right: densitometric quantification of the indicated proteins. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-019-08618-y>), licensed under a CC-BY license.



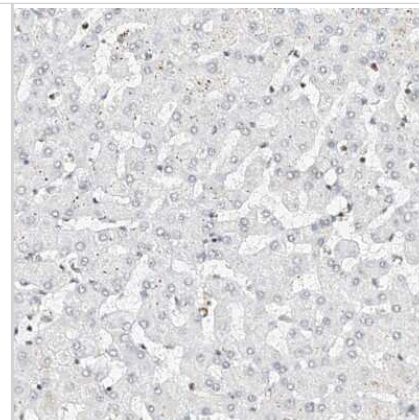
Immunocytochemistry/Immunofluorescence: Nrf1 Antibody [NBP1-89125] - Staining of human cell line U-251 MG shows localization to nucleoplasm. Antibody staining is shown in green.



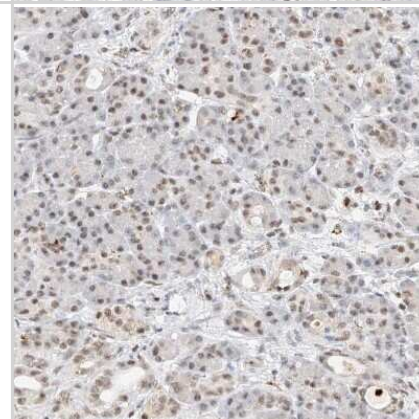
Immunohistochemistry-Paraffin: Nrf1 Antibody [NBP1-89125] - Staining of human placenta shows strong nuclear positivity in trophoblastic cells.



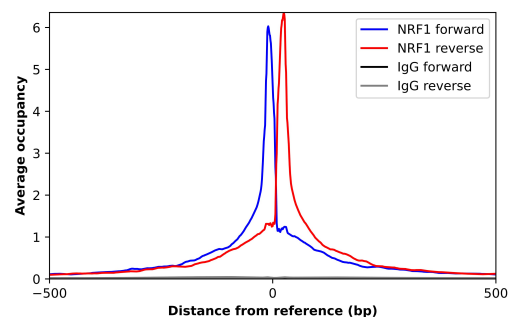
Immunohistochemistry-Paraffin: Nrf1 Antibody [NBP1-89125] - Staining of human liver shows no nuclear positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: Nrf1 Antibody [NBP1-89125] - Staining of human pancreas shows moderate nuclear positivity in exocrine glandular cells.



ChIP-Exo-Seq composite graph for Anti-NRF1 (NBP1-89125) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Shao Y, Chen J, Dong LJ et al. A Protective Effect of PPAR alpha in Endothelial Progenitor Cells Through Regulating Metabolism Diabetes 2019-08-26 [PMID: 31451517] (WB, Mouse)

Ma B, Cheng H, Mu C et al. The SIAH2-NRF1 axis spatially regulates tumor microenvironment remodeling for tumor progression Nat Commun 2019-03-04 [PMID: 30833558] (IF/IHC, Human)

Sotgia F, Whitaker-Menezes D, Martinez-Outschoorn UE et al. Mitochondria fuel breast cancer metabolism: Fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. Cell Cycle 2012-12-01 [PMID: 23172368] (IF/IHC, Human)



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 NBP1-89125

NBP1-89125PEP	Nrf1 Recombinant Protein Antigen
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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