

# Product Datasheet

## Nrf1 Antibody - BSA Free NBP1-77822-0.1mg

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-77822](http://www.novusbio.com/NBP1-77822)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-77822](http://www.novusbio.com/reviews/destination/NBP1-77822)



**NBP1-77822-0.1mg**

Nrf1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Product Description**

<b>Description</b>	<p>This protein A purified antibody is directed against mouse Nrf1. The product was purified from monospecific antiserum by protein A affinity purification</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	4899
<b>Gene Symbol</b>	NRF1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	BLAST analysis was used to suggest reactivity with this protein from mouse, human, chimpanzee, dog, rat, chicken, frog and zebrafish based on very high sequence homology with the immunogen sequence. Cross reactivity with Nrf1 homologues from other sources has not been determined.
<b>Specificity/Sensitivity</b>	This protein A purified antibody is directed against mouse Nrf1.
<b>Immunogen</b>	This protein A purified Nrf1 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a purified recombinant mouse Nrf1 protein corresponding to aa 1- 534 of the native protein. (Uniprot: Q9WU00)

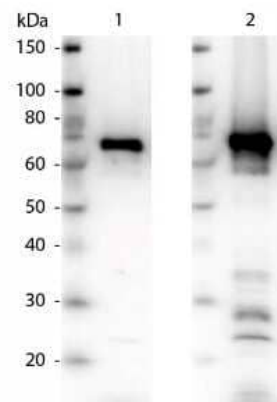
**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, ELISA 1:3000-1:10000, Immunohistochemistry 2 mg/ml-5 ug/ml, Immunohistochemistry-Paraffin 2 mg/ml-5 ug/ml
<b>Application Notes</b>	This protein A purified antibody has been tested for use in ELISA, immunohistochemistry and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 67 kDa in size corresponding to NRF1 by western blotting in the appropriate cell lysate or extract. Splice variants exist for this protein that may result in the detection of lower molecular weight bands.

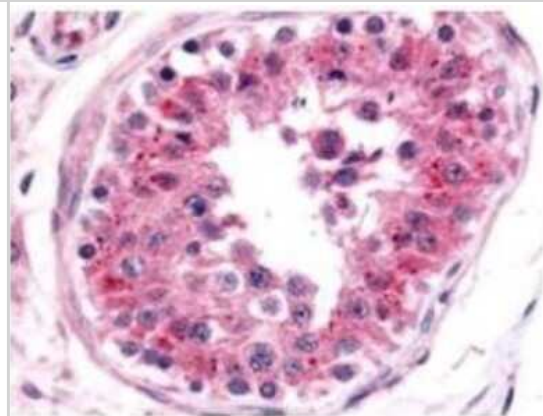


## Images

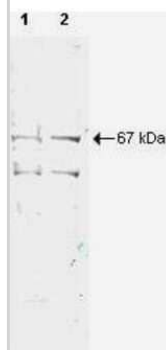
Western Blot: Nrf1 Antibody [NBP1-77822] - Lane: NFR1-HIS recombinant protein. Load: 50ug per lane. Primary antibody - 1: NRF1 antibody at 1:1,000 overnight at 4C. Primary antibody - 2: 6xHIS Epitope tag antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/observed size: 67 kDa, 67 kDa for NRF1-His tagged. Other band(s): None.



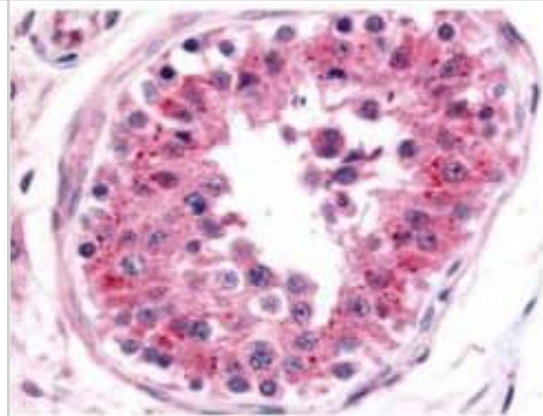
Immunohistochemistry: Nrf1 Antibody [NBP1-77822] - Used at a 5 ug/ml to detect NRF1 in a variety of tissues. This image shows NRF1 staining of human testis. The antibody shows nuclear staining in lymphocytes. Tissue was formalin-fixed and paraffin embedded.



Western Blot: Nrf1 Antibody [NBP1-77822] - Shows detection of a 67-kDa band corresponding to human NRF1 in a (lane 1) HeLa nuclear extract and (lane 2) whole cell lysate (molecular weight marker not shown). Approx. 10 ug of each lysate was separated by SDS-PAGE and transferred onto nitrocellulose. The blot was incubated with a 1:500 dilution of the antibody at room temperature for 1 h followed by detection using IRDye (TM) 700 labeled Goat-a-Rabbit IgG [H&L] diluted 1:2,500. IRDye (TM) 700



Affinity Purified anti-NRF1 antibody was used at a 5 ug/ml to detect NRF1 in a variety of tissues. This image shows NRF1 staining of human testis. The antibody shows nuclear staining in lymphocytes. Tissue was formalin-fixed and paraffin embedded. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.



## Publications

Paula Cilleros-Holgado, David Gómez-Fernández, Rocío Piñero-Pérez, José Manuel Romero Domínguez, Marta Talaverón-Rey, Diana Reche-López, Juan Miguel Suárez-Rivero, Mónica Álvarez-Córdoba, Ana Romero-González, Alejandra López-Cabrera, Marta Castro De Oliveira, Andrés Rodríguez-Sacristan, José Antonio Sánchez-Alcázar, Sofie Lautrup Polydatin and Nicotinamide Rescue the Cellular Phenotype of Mitochondrial Diseases by Mitochondrial Unfolded Protein Response (mtUPR) Activation Biomolecules 2024-05-18 [PMID: 38786005]

Kshirsagar S, Alvir RV, Pradeepkiran JA et al. A Combination Therapy of Urolithin A+EGCG Has Stronger Protective Effects than Single Drug Urolithin A in a Humanized Amyloid Beta Knockin Mice for Late-Onset Alzheimer's Disease Cells 2022-08-27 [PMID: 36078067] (Immunocytochemistry/ Immunofluorescence)





### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-77822-0.1mg**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004899-P01-10ug	Recombinant Human Nrf1 GST (N-Term) Protein

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-77822](http://www.novusbio.com/reviews/submit/NBP1-77822)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

