

# Product Datasheet

## NDRG1 Antibody - BSA Free

### NBP1-86636

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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#### Publications: 5

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Updated 2/21/2025 v.20.1

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**NBP1-86636**

NDRG1 Antibody - BSA Free

**Product Information**

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

**Product Description**

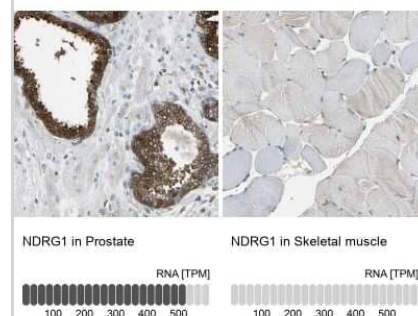
<b>Host</b>	Rabbit
<b>Gene ID</b>	10397
<b>Gene Symbol</b>	NDRG1
<b>Species</b>	Human, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: INVNPCAEGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHTYRQ HIVNDMNPGNLHLFINAYNSRRDLEIERPMPGTHTVTLQCPALLVVGDS SPAVD AVVECNSKLDPTKTLL

**Product Application Details**

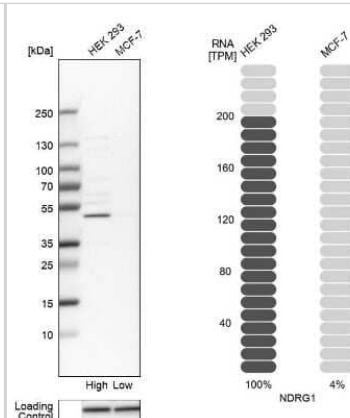
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	IHC-P, Retrieval method: HIER pH6, ICC/IF, Fixation/Permeabilization: PFA/Triton X-100.

**Images**

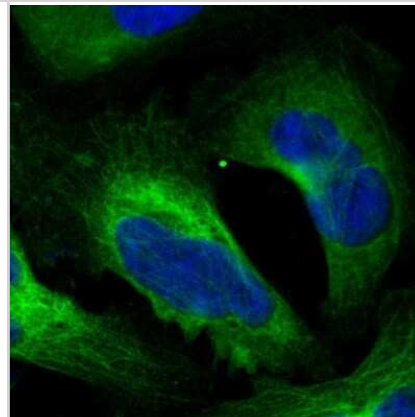
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Analysis in human prostate and skeletal muscle tissues. Corresponding NDRG1 RNA-seq data are presented for the same tissues.



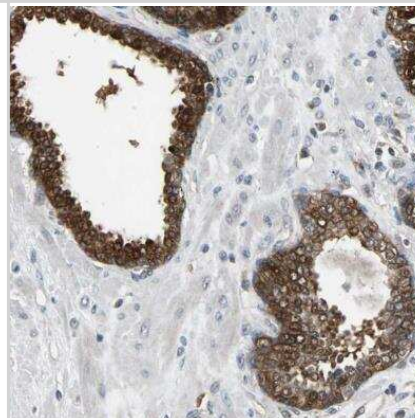
Western Blot: NDRG1 Antibody [NBP1-86636] - Analysis in human cell lines HEK293 and MCF-7. Corresponding NDRG1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



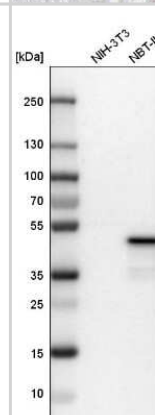
Immunocytochemistry/Immunofluorescence: NDRG1 Antibody [NBP1-86636] - Staining of human cell line U-2 OS shows localization to cytosol & microtubules. Antibody staining is shown in green.



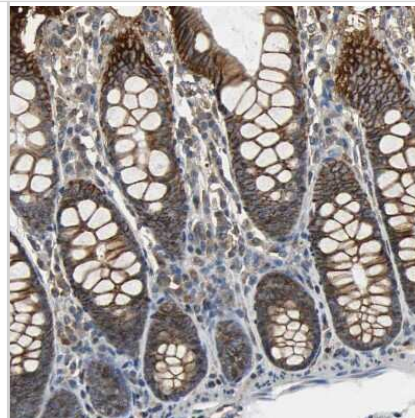
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human prostate shows strong membranous positivity in glandular cells.



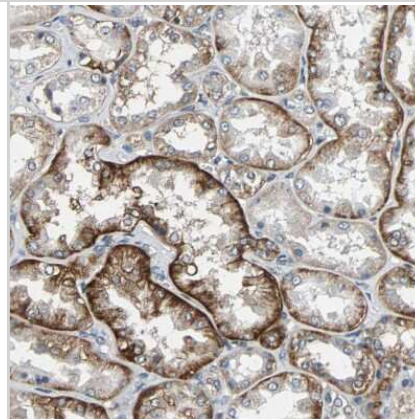
Western Blot: NDRG1 Antibody [NBP1-86636] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



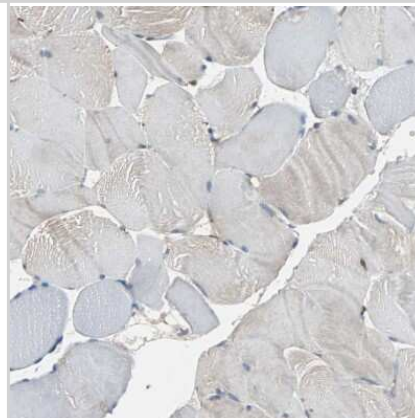
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human colon shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human kidney shows moderate membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human skeletal muscle shows no membranous positivity in myocytes as expected.



## Publications

Rakopoulos P Investigating the role of H3. 3K27M during cellular transformation and differentiation. Thesis 2020-01-01 (WB, Mouse)

Mao Z, Sun J, Feng B et al. The Metastasis Suppressor, N-myc Downregulated Gene 1 (NDRG1), Is a Prognostic Biomarker for Human Colorectal Cancer. PLoS One 2013-01-01 [PMID: 23874544]

Lane DJ, Saletta F, Rahmanto YS et al. N-myc Downstream Regulated 1 (NDRG1) Is Regulated by Eukaryotic Initiation Factor 3a (eIF3a) during Cellular Stress Caused by Iron Depletion. PLoS One 2013-01-01 [PMID: 23437357]

Drogemuller C, Becker D, Kessler B et al. A deletion in the N-myc downstream regulated gene 1 (NDRG1) gene in Greyhounds with polyneuropathy. PLoS One 2010-06-01 [PMID: 20582309]

Schilling SH, Hjelmeland AB, Radloff DR et al. NDRG4 Is Required for Cell Cycle Progression and Survival in Glioblastoma Cells. J Biol Chem 2009-09-11 [PMID: 19592488]



### **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 NBP1-86636**

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NBP1-86636PEP	NDRG1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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