

Product Datasheet

NDRG1 Antibody - BSA Free

NBP1-86636-25ul

Unit Size: 25ul

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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NBP1-86636-25ul

NDRG1 Antibody - BSA Free

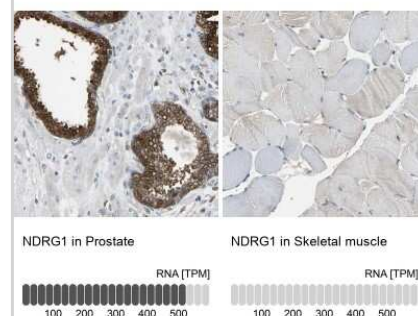
Product Information	
Unit Size	25ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	10397
Gene Symbol	NDRG1
Species	Human, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: INVNPCAEGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHTYRQ HIVNDMNPGNLHLFINAYNSRRDLEIERPMPGTHTVTLQCPALLVVGDSPPAVD AVVECNSKLDPTKTLL

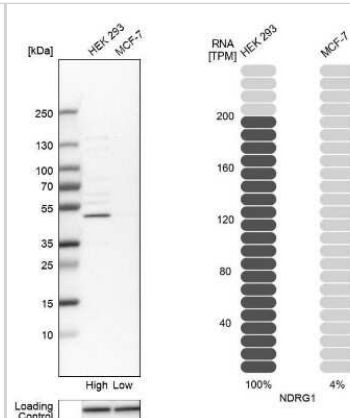
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin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

Images

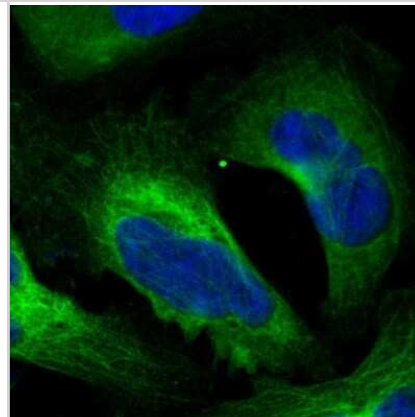
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Analysis in human prostate and skeletal muscle tissues. Corresponding NDRG1 RNA-seq data are presented for the same tissues.



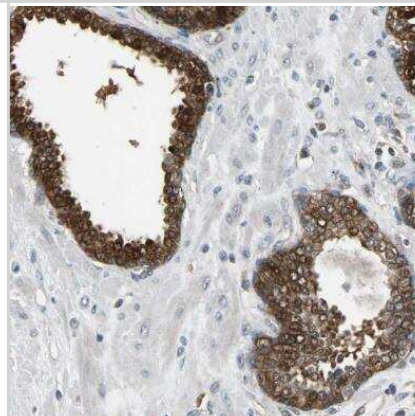
Western Blot: NDRG1 Antibody [NBP1-86636] - Analysis in human cell lines HEK293 and MCF-7. Corresponding NDRG1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



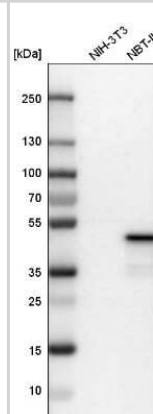
Immunocytochemistry/Immunofluorescence: NDRG1 Antibody [NBP1-86636] - Staining of human cell line U-2 OS shows localization to cytosol & microtubules. Antibody staining is shown in green.



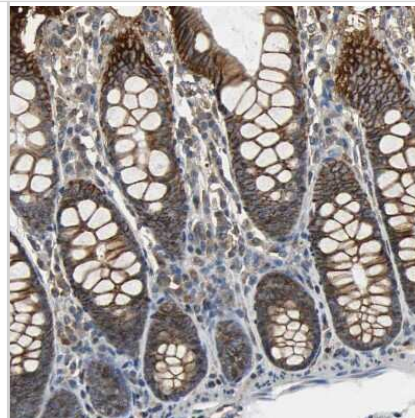
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human prostate shows strong membranous positivity in glandular cells.



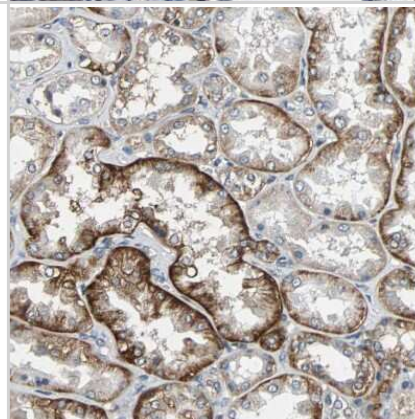
Western Blot: NDRG1 Antibody [NBP1-86636] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



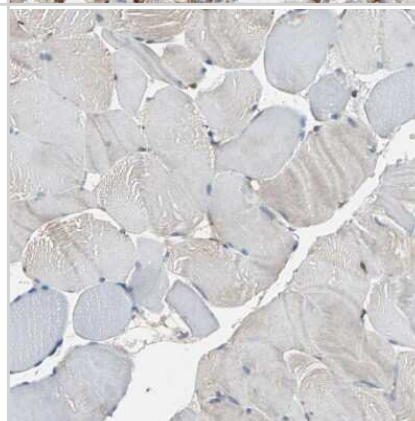
Immunohistochemistry-Paraffin: NDRG1 Antibody [NBP1-86636] - Staining of human colon shows strong membranous positivity in glandular cells.



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]



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