

For Research Use Only

NDRG1 Polyclonal antibody

Catalog Number: 26902-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number: 26902-1-AP	GenBank Accession Number: BC006260	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 950 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10397	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:400-1:1600 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q92597	
Isotype: IgG	Full Name: N-myc downstream regulated 1	
Immunogen Catalog Number: AG25424	Calculated MW: 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA, FC (Intra)	Positive Controls: WB : HEK-293 cells, HeLa cells IHC : human colon cancer tissue, IF : HeLa cells,
Cited Applications: WB, IP, IF, IHC, CoIP	
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

NDRG1 is a member of the N-myc down-regulated gene family which belongs to the alpha/beta hydrolase superfamily. NDRG1 is a highly conserved cytoplasmic protein involved in cell growth arrest and proliferation, cell differentiation, DNA damage response, heavy metal response, the hypoxia response, tumorigenesis, and metastasis. NDRG1 is a potent metastasis suppressor in multiple tumor-types. NDRG1 appears to serve as a putative tumor suppressor and is down-regulated in colorectal, gastric, cervical, ovarian and prostate cancers.

Notable Publications

Author	Pubmed ID	Journal	Application
Callum Tromans-Coia	34508355	Nucleic Acids Res	WB
Yuyang Liu	30922920	Exp Cell Res	WB,IHC
Elodie Villa	33756106	Mol Cell	WB

Storage

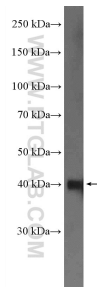
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

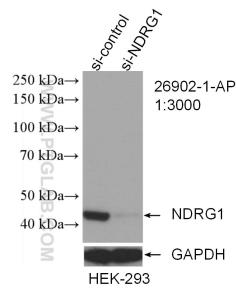
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

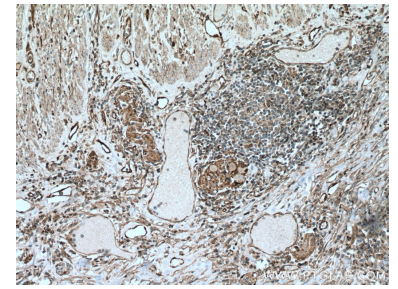
Selected Validation Data



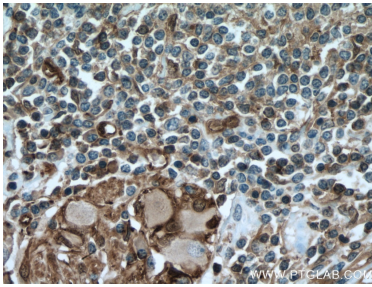
HEK-293 cells were subjected to SDS PAGE followed by western blot with 26902-1-AP (NDRG1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



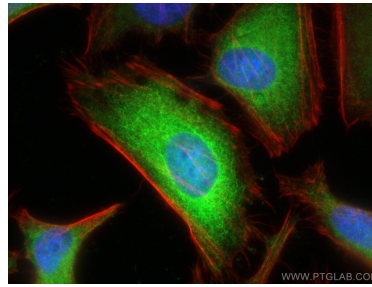
WB result of NDRG1 antibody (26902-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDRG1 transfected HEK-293 cells.



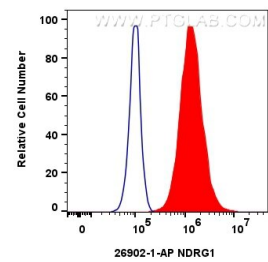
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26902-1-AP (NDRG1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26902-1-AP (NDRG1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NDRG1 antibody (26902-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human NDRG1 (26902-1-AP)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).