

For Research Use Only

NDRG1 Recombinant antibody

Catalog Number: 85141-4-RR



Basic Information

Catalog Number: 85141-4-RR	GenBank Accession Number: BC006260	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10397	CloneNo.: 242322F7
Source: Rabbit	UNIPROT ID: Q92597	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:200-1:800
Isotype: IgG	Full Name: N-myc downstream regulated 1	
Immunogen Catalog Number: AG25424	Calculated MW: 43 kDa	
	Observed MW: 45-46 kDa	

Applications

Tested Applications: WB, IHC, FC (Intra), IP, ELISA	Positive Controls:
Species Specificity: human, rat	WB : HeLa cells, A431 cells, rat kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : HeLa cells,
	IHC : human lung cancer tissue,

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.

Storage

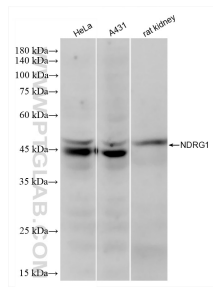
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

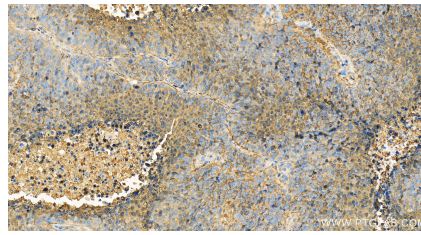
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

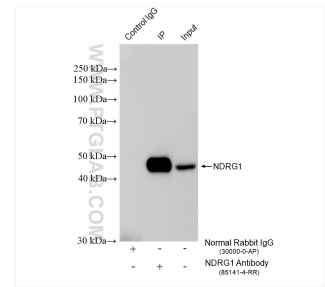
Selected Validation Data



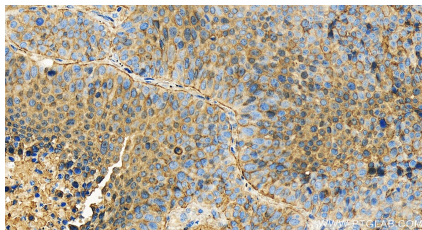
Various lysates were subjected to SDS PAGE followed by western blot with 85141-4-RR (NDRG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



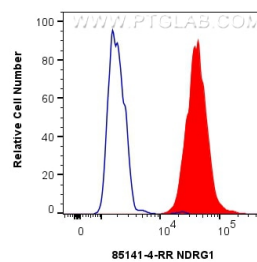
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 85141-4-RR (NDRG1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



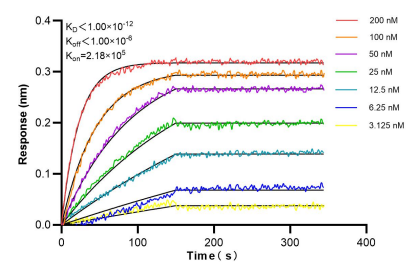
IP result of anti-NDRG1 (IP:85141-4-RR, 4ug; Detection:85141-4-RR 1:1000) with HeLa cells lysate 1520 ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 85141-4-RR (NDRG1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 HeLa cells were intracellularly stained with 0.25 ug NDRG1 Recombinant antibody (85141-4-RR, Clone:242322F7) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 85141-4-RR against Human NDRG1 were performed. The affinity constant is below 1 pM.