

For Research Use Only

NDRG1 Recombinant antibody, PBS Only

Catalog Number: 85141-4-PBS



Basic Information

Catalog Number:	85141-4-PBS	GenBank Accession Number:	BC006260	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GeneID (NCBI):	10397	CloneNo.:	242322F7
Source:	Rabbit	UNIPROT ID:	Q92597		
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, Indirect ELISA

Species Specificity:
human, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

For technical support and original validation data for this product please contact:

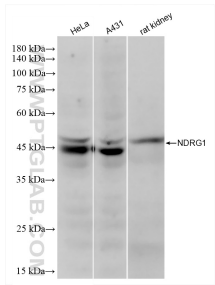
T: 4006900926

E: Proteintech-CN@ptglab.com

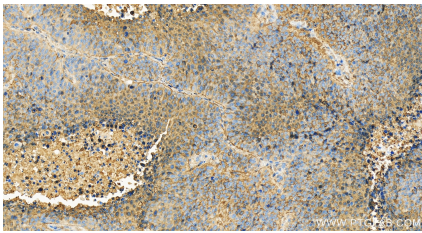
W: ptgcn.com

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

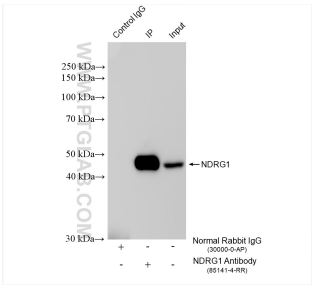
Selected Validation Data



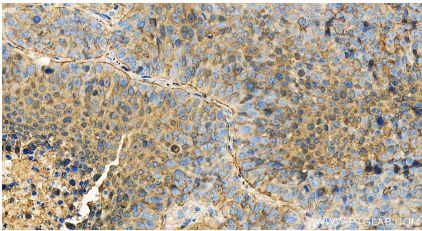
Various lysates were subjected to SDS PAGE followed by western blot with 85141-4-RR (NDRG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85141-4-PBS in a different storage buffer formulation.



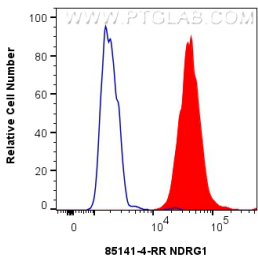
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 85141-4-RR (NDRG1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85141-4-PBS in a different storage buffer formulation.



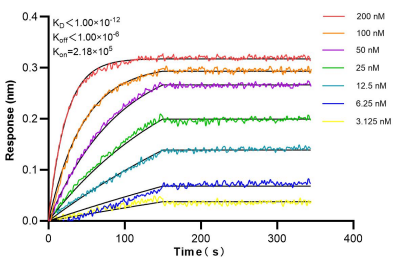
IP result of anti-NDRG1 (IP:85141-4-RR, 4ug; Detection:85141-4-RR 1:1000) with HeLa cells lysate 1520 ug. This data was developed using the same antibody clone with 85141-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85141-4-PBS in a different storage buffer formulation.



1x10⁶ 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). This data was developed using the same antibody clone with 85141-4-PBS in a different storage buffer



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