

NDRG3 Polyclonal antibody

Catalog Number: 31421-1-AP

Basic Information

Catalog Number: 31421-1-AP	GenBank Accession Number: NM_032013	Purification Method: Antigen affinity Purification
Size: 800 ug/ml	GeneID (NCBI): 57446	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9UGV2	
Isotype: IgG	Full Name: NDRG family member 3	
Immunogen Catalog Number: AG33626	Calculated MW: 41 kDa Observed MW: 41-45 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, Raji cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon tissue,

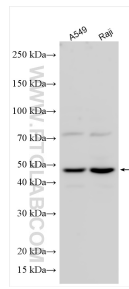
Background Information

NDRG (N-Myc downstream-regulated gene) family is generally divided into two subfamilies, one composed of NDRG1 and NDRG3 with a homology of 67%, and the other composed of NDRG2 and NDRG4 with a homology of 58%. NDRG3 is a downstream regulatory factor of MYC, with a total length of 2588 base pairs. It is mainly expressed in ovary, prostate, testis, brain, spinal cord, thymus, heart and kidney. NDRG3 is located on chromosome 20q11.21-11.23 and encodes at least two subtypes, 375 and 363 amino acids, respectively, with an apparent molecular weight of 41 and 40 kDa, respectively. (PMID: 36619553)

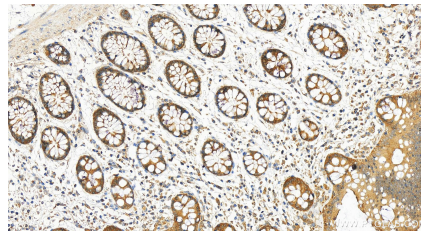
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31421-1-AP (NDRG3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 31421-1-AP (NDRG3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).