

NDRG1 Rabbit mAb

Catalog No: #49614

Package Size: #49614-1 50ul #49614-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

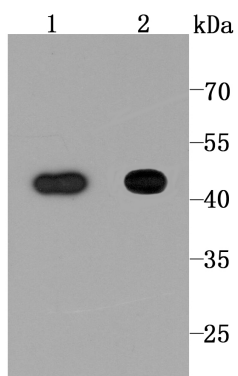
Description

Product Name	NDRG1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JM32-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	42 kDa antibody Anti GC4 antibody cap43 antibody cmt4d antibody Differentiation related gene1 protein antibody Differentiation-related gene 1 protein antibody Drg 1 antibody DRG-1 antibody drg1 antibody gc4 antibody GC4 antibody antibody hmsnl antibody Human mRNA for RTP complete cds antibody N myc downstream regulated gene 1 antibody N myc downstream regulated gene 1 protein antibody N-myc downstream-regulated gene 1 protein antibody Ndr 1 antibody ndr1 antibody NDRG 1 antibody NdrG1 antibody NDRG1 protein antibody NDRG1_HUMAN antibody Nickel specific induction protein antibody Nickel specific induction protein Cap43 antibody Nickel-specific induction protein Cap43 antibody nmsl antibody Nmyc downstream regulated antibody Nmyc downstream regulated gene1 antibody Nmyc downstream regulated gene1 protein antibody Protein NDRG1 antibody Protein regulated by oxygen 1 antibody Protein regulated by oxygen1 antibody Proxy1 antibody Reduced in tumor antibody Reducin antibody Reducing agents and tunicamycin responsive protein antibody Reducing agents and tunicamycin-responsive protein antibody Rit42 antibody RTP antibody targ1 antibody TDD5 antibody tdds antibody Tunicamycin responsive protein antibody
Accession No.	Swiss-Prot#:Q92597
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

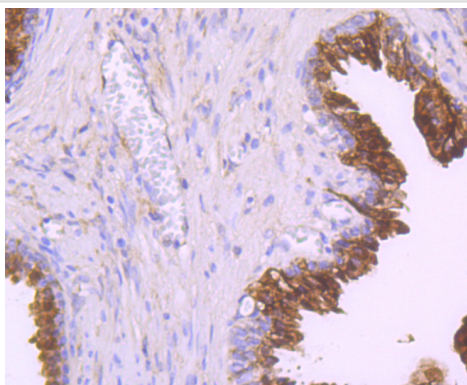
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:50

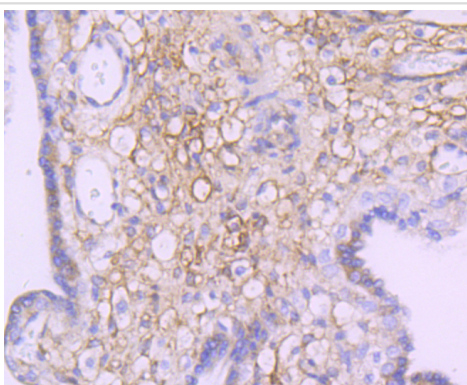
Images



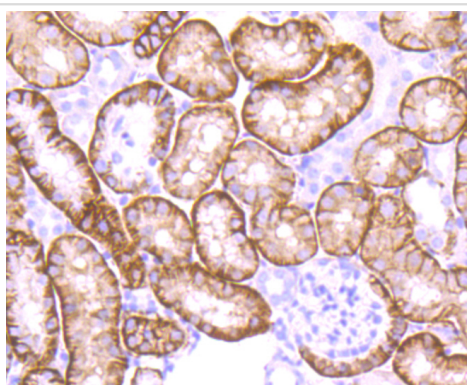
Western blot analysis of NDRG1 on SW480 cell (1) and mouse eye tissue (2) lysate using anti-NDRG1 antibody at 1/1,000 dilution.



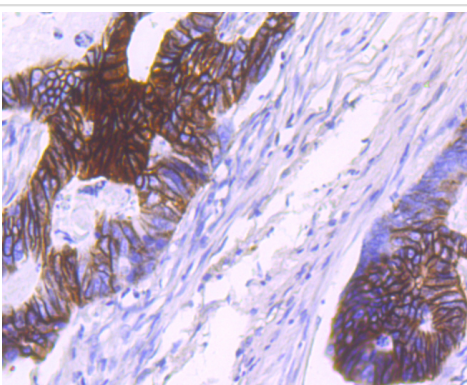
Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.



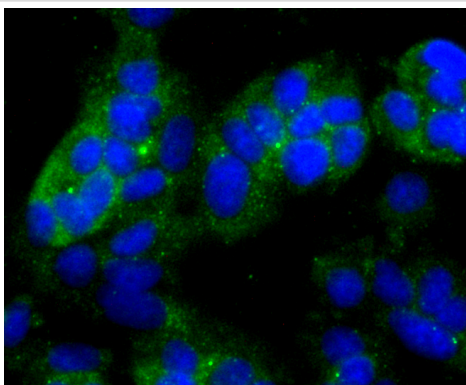
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.



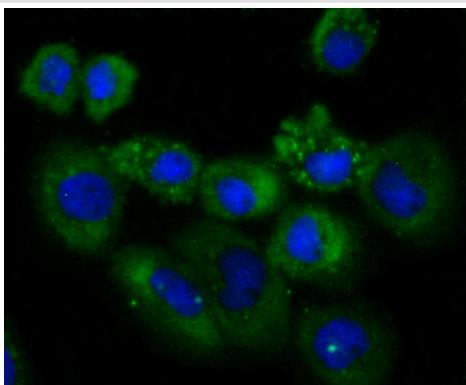
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.



ICC staining NDRG1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NDRG1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The N-myc downstream regulated gene (NDRG) family is comprised of four members, NDRG1 (also designated Drg1, RTP, rit42, Cap43 and Ndr1), NDRG2, NDRG3 and NDRG4, which share 57-65% homology. The NDRG1 gene, which maps to human chromosome 8q24.22, is evolutionarily conserved and is similarly regulated in humans, mice and rats. Like NDRG2 and NDRG3, NDRG1 is ubiquitously expressed, but it is expressed most prominently in placental membranes and prostate, kidney, small intestine and ovary tissue. NDRG1 gene expression is induced by several compounds, including nickel, and produces a protein involved in stress responses, hormone responses, cell growth and differentiation. The gene encoding NDRG3 maps to human chromosome 20q11.23 and is predominantly expressed in testis, prostate and ovary, which suggests it may play a role in spermatogenesis.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.