

Datasheet for ABIN7165849
anti-NDRG1 antibody (AA 136-394)



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3 Images

Overview

Quantity:	100 µL
Target:	NDRG1
Binding Specificity:	AA 136-394
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDRG1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Protein NDRG1 protein (136-394AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NDRG1
Alternative Name:	NDRG1 (NDRG1 Products)
Background:	Background: Stress-responsive protein involved in hormone responses, cell growth, and differentiation. Acts as a tumor suppressor in many cell types. Necessary but not sufficient for

Target Details

p53/TP53-mediated caspase activation and apoptosis. Has a role in cell trafficking, notably of the Schwann cell, and is necessary for the maintenance and development of the peripheral nerve myelin sheath. Required for vesicular recycling of CDH1 and TF. May also function in lipid trafficking. Protects cells from spindle disruption damage. Functions in p53/TP53-dependent mitotic spindle checkpoint. Regulates microtubule dynamics and maintains euploidy.

Aliases: 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

UniProt: [Q92597](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

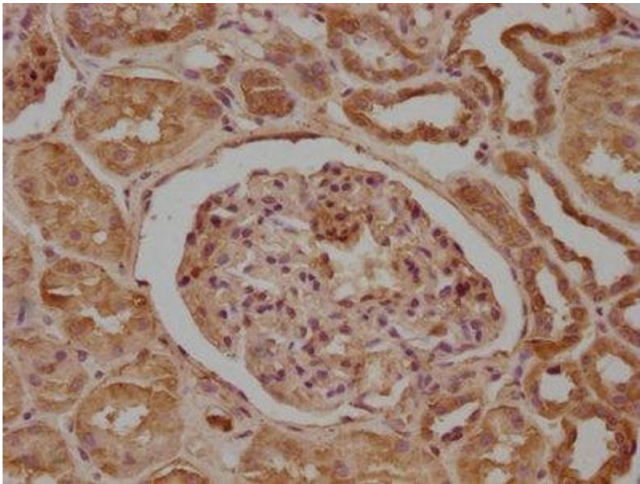
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

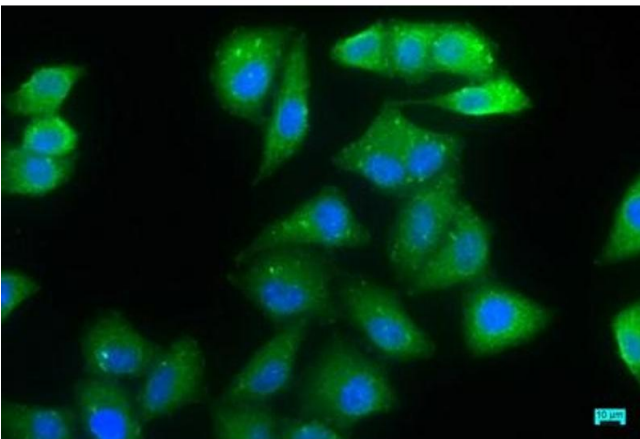
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



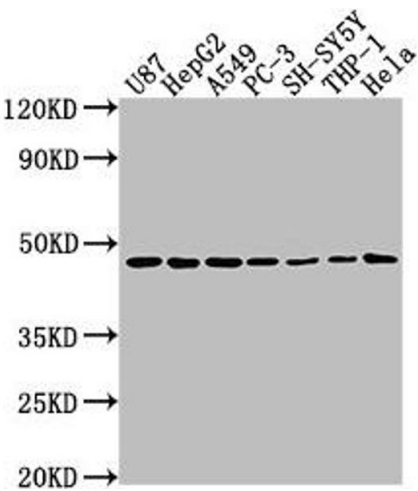
Immunohistochemistry

Image 1. IHC image of ABIN7165849 diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7165849 at 1:66, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 3. Western Blot Positive WB detected in: U87 whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate, SH-SY5Y whole cell lysate, THP-1 whole cell lysate, HeLa whole cell lysate All lanes: NDRG1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 43, 36, 34 kDa Observed band size: 43 kDa