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**Product Name: NDRG1 (3L1) Rabbit Monoclonal Antibody****Catalog #: AMRe14475**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:2000-1:10000,IHC 1:50-1:200,ICC/IF 1:100-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	43kDa

**Antigen Information**

<b>Gene Name</b>	NDRG1
<b>Alternative Names</b>	Protein NDRG1; Differentiation-related gene 1 protein; DRG-1; RTP; Rit42; NDRG1; CAP43; DRG1; RTP; targ1; TDD5; tdds;
<b>Gene ID</b>	10397.0
<b>SwissProt ID</b>	Q92597
<b>Immunogen</b>	A synthetic peptide of human NDRG1

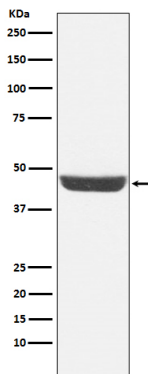
**Background**

May have a growth inhibitory role. 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 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.

## Research Area

Neuroscience

## Image Data



Western blot analysis of NDRG1 expression in HeLa cell lysate.