

# Phospho-NDRG1-S330 Antibody kit

**Catalog No.: RK05769**

## Basic Information

**Observed MW**

50kDa

**Calculated MW**

43kDa

**Category**

Primary antibody

## Recommended Dilutions

**AP0807 WB** 1:500 - 1:2000**A2142 WB** 1:500 - 1:1000For more information please visit  
[www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source** Rabbit  
**Isotype** IgG**Purification**

Affinity purification

**Storage**Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated caspase activation and apoptosis. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4D, and expression of this gene may be a prognostic indicator for several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

## Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0807	Phospho-NDRG1-S330 Rabbit pAb	ELISA, WB	Human, Mouse
A2142	[KO Validated] NDRG1 Rabbit pAb	ELISA, WB, IF/ICC	Human, Mouse, Rat

## Immunogen Information

**Gene ID**

10397

**Swiss Prot**

Q92597

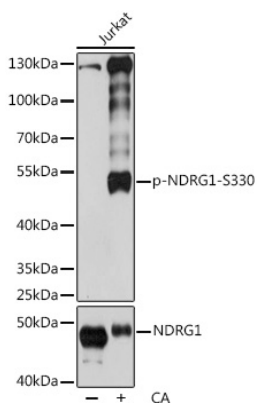
**Immunogen**

A synthetic phosphorylated peptide around S330 of human NDRG1 (NP\_001128714.1). Recombinant fusion protein containing a sequence corresponding to amino acids 175-394 of human NDRG1 (NP\_001128714.1).

**Synonyms**

NDRG1; CAP43; CMT4D; DRG-1; DRG1; GC4; HMSNL; NDR1; NMSL; PROXY1; RIT42; RTP; TARG1; TDD 5

## Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-NDRG1-S330 Rabbit pAb (A2142). Jurkat cells were treated by Calyculin A (100nM) for 30 minutes.

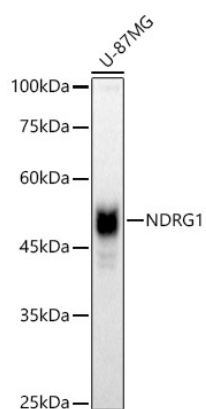
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of extracts of U-87MG cells, using NDRG1 antibody (A2142) at 1:1000 dilution.

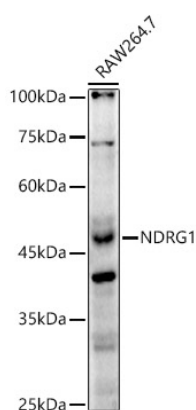
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of extracts of RAW264.7 cells, using NDRG1 antibody (A2142) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

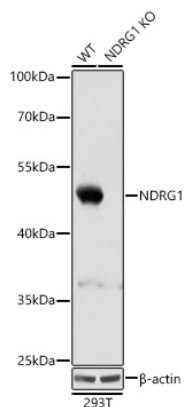
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 120s.

## Validation Data



Western blot analysis of extracts from wild type(WT) and NDRG1 knockout (KO) hek293T(KO) cells, using NDRG1 antibody (A2142) at 1:1000 dilution.

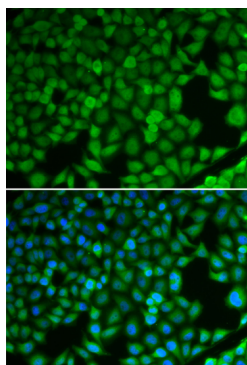
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of U2OS cells using NDRG1 antibody (A2142). Blue: DAPI for nuclear staining.