

[KO Validated] NDRG1 Rabbit pAb

Catalog No.: A2142 **KO Validated** **1 Publications**

Basic Information

Observed MW

48kDa

Calculated MW

43kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

10397

Swiss Prot

Q92597

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 175-394 of human NDRG1 (NP_001128714.1).

Synonyms

GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-1; HMSNL; RIT42; TARG1; PROXY1; G1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

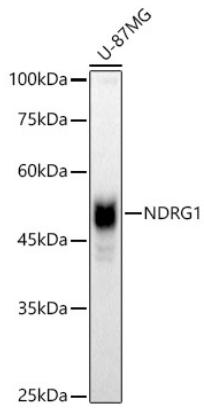
Affinity purification

Storage

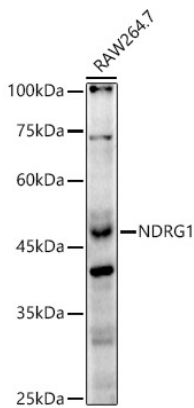
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

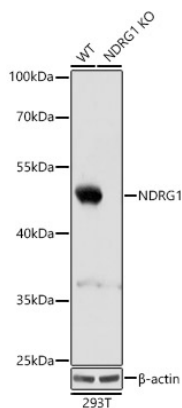
Validation Data



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.

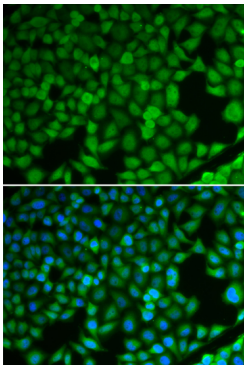


Western blot analysis of extracts of RAW264.7 cells, using NDRG1 antibody (A2142) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 120s.



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.

Validation Data



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