

Product Name: KD-Validated NDRG1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00550**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 42.8kDa

Antigen Information

Gene Name	NDRG1
Alternative Names	NDRG1; Differentiation-related gene 1 protein; DRG-1; RTP; Rit42; NDRG1; CAP43; DRG1; RTP; targ1; TDD5; tdds
Gene ID	10397.0
SwissProt ID	Q92597
Immunogen	A synthesized peptide derived from human NDRG1

Background

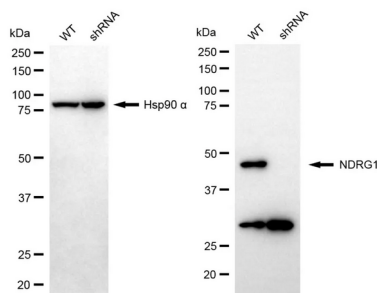
This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated 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. [provided by RefSeq, May 2012]

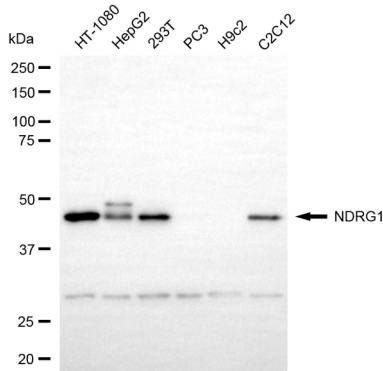
Research Area

Neuroscience, Epigenetics and Nuclear Signaling, Cancer

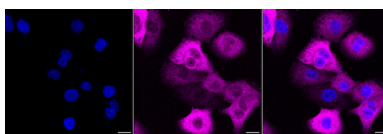
Image Data



Western blotting analysis using NDRG1 antibody (KVA00550). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NDRG1 antibody (KVA00550, 1:5,000) and HRP-conjugated goat rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NDRG1 antibody (KVA00550, 1:1,000). Nuclei were stained blue with DAPI; NDRG1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of NDRG1 expression in HT-1080 cells using NDRG1 antibody (KVA00550, 1:2,000). Green, isotype control; red, NDRG1.

