Anti-NDRG1 antibody

Cat. No.	ml261013
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-NDRG1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human NDRG1
Reactivity	Human, Mouse, Rat
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	NDRG1
Full name	N-myc downstream regulated 1

Synonyms	GC4, RTP, DRG1, NDR1, NMSL, TDD5, CAP43, CMT4D, DRG-1, HMSNL, RIT42, TARG1, PROXY1
Swissprot	Q92597

Target 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.

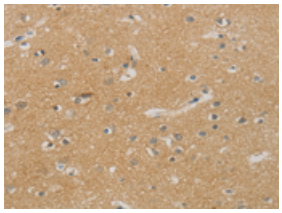
Applications

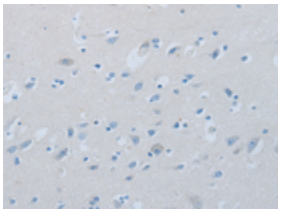
Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200



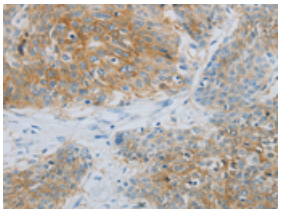


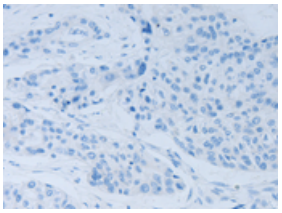
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261013(NDRG1 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 50-200





The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml261013(NDRG1 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:43 kDa

Positive control:Human lymphoma tissue

Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

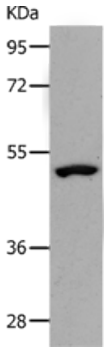
Lysate: 40 μg

Lane: Human lymphoma tissue

Primary antibody: ml261013(NDRG1 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 minutes



ELISA

Recommended dilution: 2000-5000

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