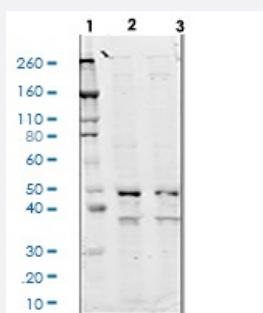


RecomAb™

NDRG1 recombinant monoclonal antibody, clone NDRG1T346-F5

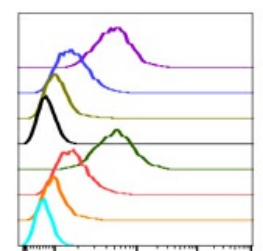
Catalog # RAB02798 Size 200 uL

Applications



Western Blot

Western blot analysis of C2C12 cell extract untreated or treated with LY294002 using 0.05 ug/mL Phospho-NDRG1 (Thr346) antibody NDRG1T346-F5.



IgG	Treatment	Peptide Block	Median : BL1A
F5	IFN	Non-phos.	4857
F5	Ctrl	Non-phos.	1692
F5	IFN	Phos.	1053
F5	Ctrl	Phos.	713
F5	IFN	-	5133
F5	Ctrl	-	1692
Isotype Ctrl	IFN	-	979
2' only	Ctrl	-	623

Flow Cytometry

Peptide blocking flow cytometric analysis of THP1 cells secondary antibody only negative control (light blue) or untreated (orange) using isotype control antibody #2141 or untreated (red) or with IFN α + IL-4 + pervanadate (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-NDRG1 (Thr346) antibody NDRG1T346-F5 at 0.05 ug/mL.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against human NDRG1.

Antibody Species

Rabbit

Immunogen

A synthetic phospho-peptide corresponding to residues surrounding Thr346 of human phospho NDRG1

Reactivity

Human

Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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Gene Info — NDRG1

Entrez GeneID	10397
Protein Accession#	Q92597
Gene Name	NDRG1
Gene Alias	CAP43, CMT4D, DRG1, GC4, HMSNL, NDR1, NMSL, PROXY1, RIT42, RTP, TARG1, TDD5
Gene Description	N-myc downstream regulated 1
Omim ID	601455 605262
Gene Ontology	Hyperlink

Gene Summary

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. It is necessary for p53-mediated caspase activation and apoptosis. Mutation in this gene has been reported to be causative for hereditary motor and sensory neuropathy-Lom. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

Other Designations

differentiation-related gene 1 protein|nickel-specific induction protein Cap43|protein regulated by oxygen-1|reducing agents and tunicamycin-responsive protein|tunicamycin-responsive protein

Disease

- [Alzheimer disease](#)
- [Charcot-Marie-Tooth Disease](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Deafness](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)