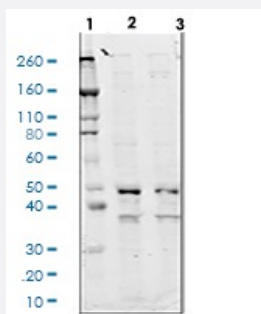


RecomAb™

NDRG1 recombinant monoclonal antibody, clone NDRG1T346-F5

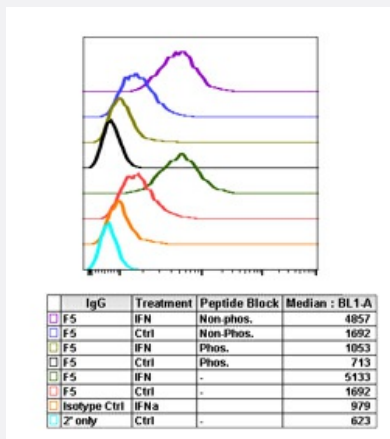
Catalog # RAB02798 Size 200 uL

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.



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](#)