

# NDRG1 Antibody- sodium azide free

Catalog No: tcna1207saf



## Available Sizes

**Size:** 100ug



## Specifications

**Application:**

FACS, WB, IF

**Species Reactivity:**

Human. Others not known.

**Host Species:**

Mouse

**Immunogen / Amino acids:**

A human partial recombinant protein corresponding to amino acids 162-283 was used as the immunogen for this NDRG1 antibody.

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

NDRG1/1383

**Isotype:**

Mouse IgG3

**Form:**

Liquid

**Storage Buffer:**

1 mg/ml in 1X PBS; BSA free, sodium azide free

**Concentration:**

1 mg/ml

**Recommended Dilution:**FACS: 0.5-1ug/10<sup>6</sup> cells in 0.1ml

IF: 1-2ug/ml

WB: 0.5-1ug/ml The concentration stated for each application is a general starting point. Variations in protocols secondaries and substrates may require the NDRG1 antibody to be titered up or down for optimal performance.

**Storage Instruction:**

Store the NDRG1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

**SwissProt:**

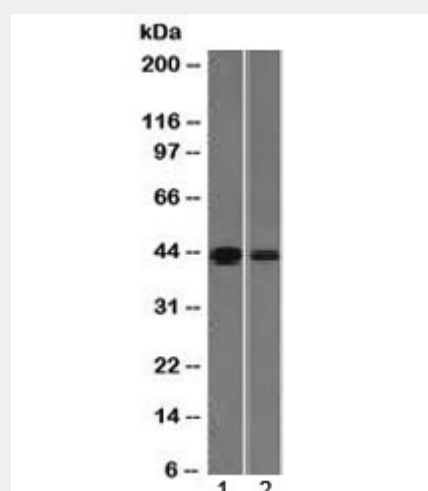
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**References**

Protein G affinity chromatography

**Product Description**

This mAb recognizes a protein of 43kDa, which is identified as N-myc downstream-regulated gene 1 protein (NDRG1). The NDRG family is comprised of four members, NDRG1, NDRG2, NDRG3 and NDRG4, which share 57-65% homology. The NDRG1 gene is ubiquitously expressed, but it is expressed most prominently in placental membranes and prostate, kidney, small intestine and ovary tissue. NDRG1 is a direct transcriptional target gene of p53 to mediated cell death and apoptosis. NDRG1 gene expression is induced by several compounds, including nickel, and produces a protein involved in stress responses, hormone responses, cell growth and differentiation. The reduced expression of NDRG1 has been found to be associated with tumor metastasis in a variety of tumors, including cancers of the breast, colon, prostate, oral cavity and oropharynx. Reportedly, overexpression of NDRG1 in hepatocellular carcinoma is an indicator of tumor aggressiveness.



Western blot testing of human 1) kidney and 2) HeLa lysate with NDRG1 antibody (clone NDRG1/1383). Expected molecular weight ~43 kDa.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!