

Datasheet: VMA00950

BATCH NUMBER 100005858

Description:	MOUSE ANTI NDRG1
Specificity:	NDRG1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	GH01/4A7
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-394 of human NDRG1

**External Database
Links**

UniProt:

[Q92597](#) [Related reagents](#)

Entrez Gene:

[10397](#) NDRG1 [Related reagents](#)

Synonyms

CAP43, DRG1, RTP

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti NDRG1 antibody recognizes protein NDRG1, also known as DRG-1 and RTP. NDRG1 is a stress-response protein induced by hypoxia and cell differentiation signals. It has been found to act as a tumor suppressor in a variety of cancer types, suppressing migration, invasion, and metastasis by regulating epithelial-mesenchymal transition (EMT) or downregulating ErbB receptors ([Dong et al. 2019](#)). However, NDRG1 may have an oncogenic role in other cancerous conditions, making its role in cancer more complex ([Du et al. 2018](#)). For example, overexpression of NDRG1 has been found to be associated with elevated rates of metastasis and mortality in patients with breast cancer ([Sevinsky et al. 2018](#)).

Western Blotting

Mouse anti NDRG1 detects a band of approximately 45 kDa in HT-1080 cell lysates

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00950>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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