

NDRG1 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a full length recombinant NDRG1.****Catalog # AT2991a****Specification**

NDRG1 Antibody (monoclonal) (M03) - Product Information

Application	WB, IHC, IF, E
Primary Accession	O92597
Other Accession	BC003175
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	42835

NDRG1 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 10397**Other Names**

Protein NDRG1, Differentiation-related gene 1 protein, DRG-1, N-myc downstream-regulated gene 1 protein, Nickel-specific induction protein Cap43, Reducing agents and tunicamycin-responsive protein, RTP, Rit42, NDRG1, CAP43, DRG1, RTP

Target/Specificity

NDRG1 (AAH03175, 1 a.a. ~ 394 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

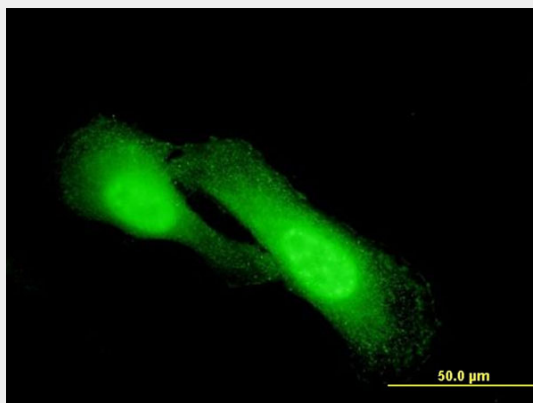
NDRG1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

NDRG1 Antibody (monoclonal) (M03) - Protocols

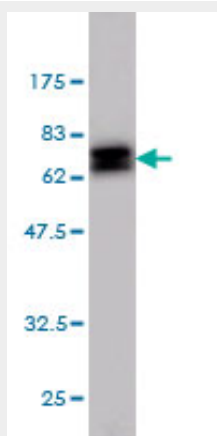
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

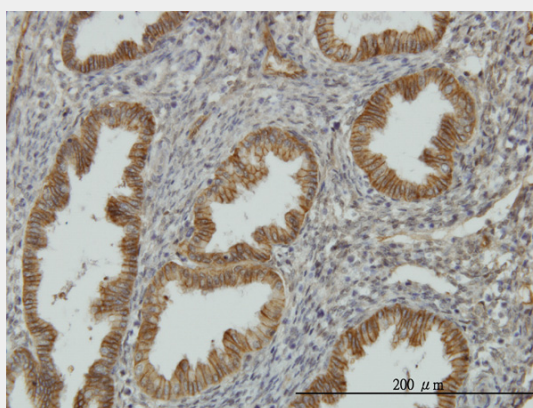
NDRG1 Antibody (monoclonal) (M03) - Images



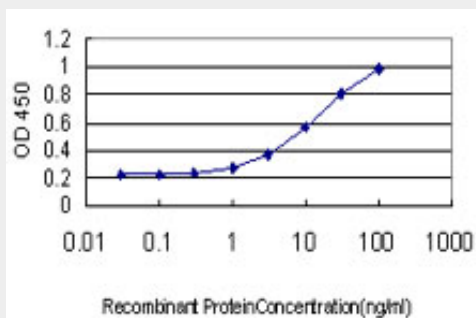
Immunofluorescence of monoclonal antibody to NDRG1 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.08 KDa) .



Immunoperoxidase of monoclonal antibody to NDRG1 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 0.7 ug/ml]



Detection limit for recombinant GST tagged NDRG1 is approximately 1ng/ml as a capture antibody.

NDRG1 Antibody (monoclonal) (M03) - 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. 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.

NDRG1 Antibody (monoclonal) (M03) - References

1.A novel molecular marker for early detection and evaluating prognosis of gastric cancer: N-myc downstream regulated gene-1 (NDRG1).Jiang K, Shen Z, Ye Y, Yang X, Wang S.Scand J Gastroenterol. 2010 Apr 14. [Epub ahead of print]2.Metastasis-related plasma membrane proteins of human breast cancer cells identified by comparative quantitative mass spectrometry.Leth-Larsen R, Lund R, Hansen HV, Laenkholm AV, Tarin D, Jensen ON, Ditzel HJ.Mol Cell Proteomics. 2009 Jun;8(6):1436-49. Epub 2009 Mar 24.