

Rabbit Anti-NDRG1 [MD34R]: RM0337

Intended Use: For Research Use Only

Description: The N-myc downregulated gene 1 (NDRG1) is a 43 KDa protein that contains a NDRG1 core domain and three unique tandem repeats of 10 hydrophilic amino acids near the COOH terminus, which is ubiquitously expressed in different mammalian tissues and modulates cell growth, differentiation and apoptosis. Although the exact biological function of NDRG1 remains obscure, studies approaches suggested that NDRG1 is a direct transcriptional target gene of p53 to mediated cell death and apoptosis. NDRG1 has been identified as a protein involved in the differentiation of epithelial cells. One of the most well documented links between NDRG1 and pathophysiology is its association with inhibition of tumor metastasis. The reduced expression of NDRG1 was found to be associated with tumor metastasis in a variety of tumors, including cancers of the breast, colon, prostate, oral cavity and oropharynx. On the other hand, overexpression of NDRG1 in hepatocellular carcinoma has been an indicator of tumor aggressiveness.

Specifications

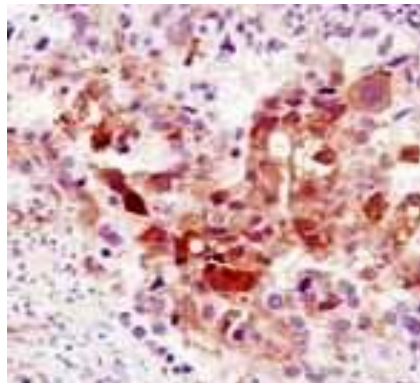
Clone: MD34R
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, Monkey
 Localization: Membrane, cytoplasm
 Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
 Applications: IHC, ICC/IF, IP, WB
 Package:

Description	Catalog No.	Size
NDRG1 Concentrated	RM0337	1 ml

IHC Procedure*

Positive Control Tissue: Fetal liver, colon
 Concentrated Dilution: 50-100
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human lung carcinoma stained with NDRG1 using DAB