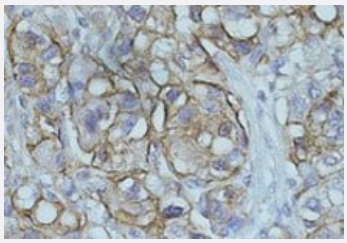
NDRG1 polyclonal antibody

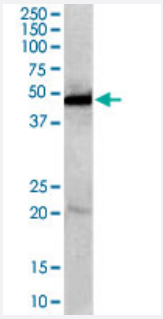
Catalog # PAB6284 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

NDRG1 polyclonal antibody (Cat # PAB6284) (0.5 ug/mL) staining of paraffin embedded human hepatocelluar carcinoma. Data obtained from C. Furer, Visceral Surgery, University of Bern, Switzerland.



Western Blot (Tissue lysate)

NDRG1 polyclonal antibody (Cat # PAB6284) staining (0.1 ug/mL) of human kidney lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NDRG1.
Immunogen	A synthetic peptide corresponding to C-terminus of human NDRG1.
Sequence	GNSAGPKSMEVSC
Host	Goat
Theoretical MW (kDa)	42.8
Reactivity	Human
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  NDRG1 polyclonal antibody (Cat # PAB6284) (0.5 ug/mL) staining of paraffin embedded human hepatocelluar carcinoma. Data obtained from C. Furer, Visceral Surgery, University of Bern, Switzerland.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  NDRG1 polyclonal antibody (Cat # PAB6284) staining (0.1 ug/mL) of human kidney lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Gene Info — NDRG1

Entrez GeneID	10397
Protein Accession#	NP_006087.2
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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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 stres s responses, hormone responses, cell growth, and differentiation. It is necessary for p53-mediate d caspase activation and apoptosis. Mutation in this gene has been reported to be causative for h ereditary 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

Publication Reference

- Cap43, a novel gene specifically induced by Ni2+ compounds.

  Zhou D, Salnikow K, Costa M.

  Cancer Research 1998 May; 58(10):2182.

Disease

- Alzheimer disease
- Charcot-Marie-Tooth Disease
- Cognition
- Colorectal Neoplasms
- Deafness
- Genetic Predisposition to Disease
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.