

Rabbit NDRG1 Polyclonal Antibody | anti-NDRG1 antibody

NDRG1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286094	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NDRG1; Polyclonal Antibody; NDRG1 Antibody (N-term); 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; CAP43; DRG1; anti-NDRG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NDRG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human NDRG1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	12-40
Sequence Length	394
Applicable Applications for anti-NDRG1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of MDA-231 cells using NDRG1 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human prostate carcinoma with NDRG1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of NDRG1 Antibody (N-term) in MDA-MB231 cell line lysates (35ug/lane). NDRG1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NDRG1 antibody	NDRG1 is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. It is necessary for p53-mediated caspase activation and apoptosis.
Product Categories/Family for anti-NDRG1 antibody	Cancer ; Neuroscience
References	Sugiyama,N., et.al., Mol. Cell Proteomics 6 (6), 1103-1109 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	207028748
NCBI GeneID	10397
NCBI Accession #	NP_001128714.1; NP_001245361.1; NP_001245362.1; NP_006087.2
NCBI GenBank Nucleotide #	NM_001135242.1
UniProt Accession #	Q92597; O15207; Q6IBG2; Q9NYR6; Q9UK29; B3KR80; B7Z446
Molecular Weight	42835
NCBI Official Full Name	protein NDRG1 isoform 1
NCBI Official Synonym Full Names	N-myc downstream regulated 1
NCBI Official Symbol	NDRG1
NCBI Official Synonym Symbols	GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-1; HMSNL; RIT42; TARG1; PROXY1
NCBI Protein Information	protein NDRG1
UniProt Protein Name	Protein NDRG1
UniProt Gene Name	NDRG1
UniProt Synonym Gene Names	CAP43; DRG1; RTP; DRG-1; RTP
UniProt Entry Name	NDRG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndrg1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286094>