

NDRG1 recombinant antibody

NDRG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA235607	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

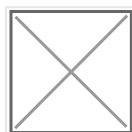
PRODUCT SYNONYMS

NDRG1; Monoclonal Recombinant Antibody; NDRG1 Antibody; 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; NDRG1 recombinant antibody

PRODUCT SPECIFICATIONS

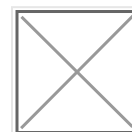
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-Chromatography
Form/Format	Liquid; In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	394
Applicable Applications for NDRG1 recombinant antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from human NDRG1
Conjugate	Non-Conjugated
Species	Homo sapiens (Human)
Research Area	Neuroscience
Gene Names	NDRG1
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with CSB-RA835678A0HU at 1:23, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of CSB-RA835678A0HU diluted at 1:71.6666666666667 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Hela whole cell lysate, 293T whole cell lysate, PC3 whole cell lysate, U87 whole cell lysate, Mouse kidney tissueAll lanes: NDRG1 antibody at 0.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 43, 36, 34 KDaObserved band size: 43 KDa

ADDITIONAL INFORMATION

Related Product Information for NDRG1 recombinant antibody	Stress-responsive protein involved in hormone responses, cell growth, and differentiation. Acts as a tumor suppressor in many cell types. Necessary but not sufficient for p53/TP53-mediated caspase activation and apoptosis. Has a role in cell trafficking, notably of the Schwann cell, and is necessary for the maintenance and development of the peripheral nerve myelin sheath. Required for vesicular recycling of CDH1 and TF. May also function in lipid trafficking. Protects cells from spindle disruption damage. Functions in p53/TP53-dependent mitotic spindle checkpoint. Regulates microtubule dynamics and maintains euploidy.
Product Categories/Family for NDRG1 recombinant antibody	Recombinant Antibody ; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	207028748
NCBI GeneID	10397
NCBI Accession #	NP_001128714.1
NCBI GenBank Nucleotide #	NM_001135242.1
UniProt Accession #	Q92597; O15207; Q6IBG2; Q9NYR6; Q9UK29; B3KR80; B7Z446
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

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/monoclonal/ndrg1-recombinant-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/235607>