

Rabbit NDRG3 Polyclonal Antibody | anti-NDRG3 antibody

Anti-NDRG3 Picoband Antibody

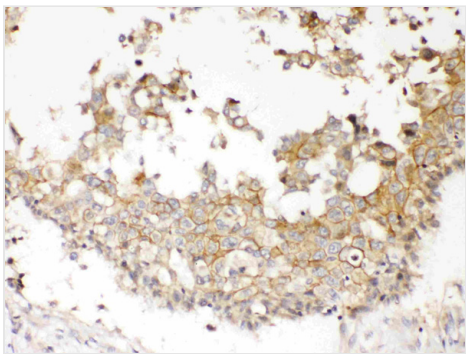
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124744	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

NDRG3; Polyclonal Antibody; Anti-NDRG3 Picoband Antibody; Protein NDRG3; N-myc downstream-regulated gene 3 protein; anti-NDRG3 antibody

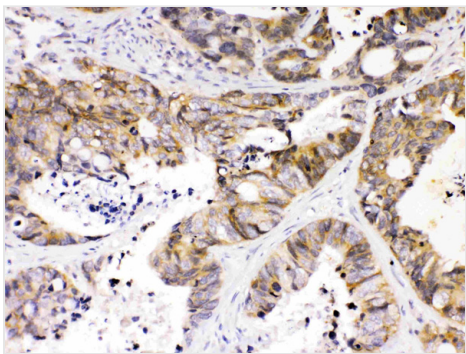
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	286
Applicable Applications for anti-NDRG3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human NDRG3 recombinant protein (Position: L181-R239). Human NDRG3 shares 93.1% and 94.9% amino acid (aa) sequence identity with mouse and rat NDRG3, respectively.
Tissue Specificity	Ubiquitous. Highly expressed in brain.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



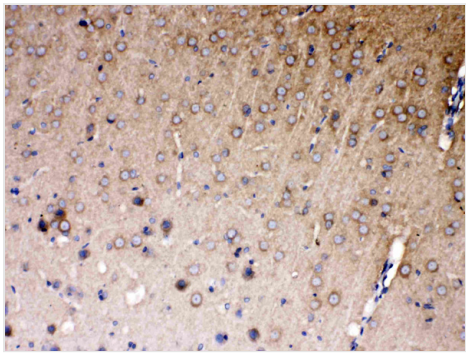
IHC (Immunohistochemistry)

Figure 5. IHC analysis of NDRG3 using anti- NDRG3 antibody (AAA124744).NDRG3 was detected in paraffin-embedded section of human mammary cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- NDRG3 Antibody (AAA124744) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



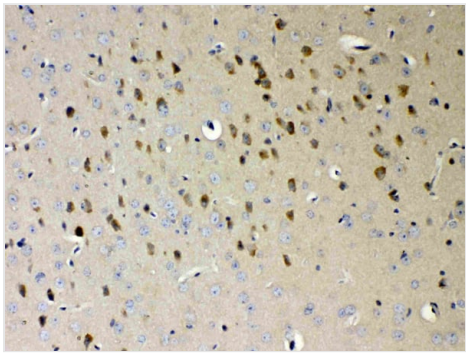
IHC (Immunohistochemistry)

Figure 4. IHC analysis of NDRG3 using anti- NDRG3 antibody (AAA124744).NDRG3 was detected in paraffin-embedded section of human intestinal cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- NDRG3 Antibody (AAA124744) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



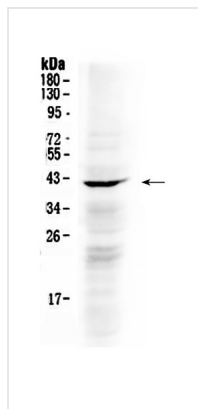
IHC (Immunohistochemistry)

Figure 3. IHC analysis of NDRG3 using anti- NDRG3 antibody (AAA124744).NDRG3 was detected in paraffin-embedded section of rat brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- NDRG3 Antibody (AAA124744) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of NDRG3 using anti- NDRG3 antibody (AAA124744).NDRG3 was detected in paraffin-embedded section of mouse brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- NDRG3 Antibody (AAA124744) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of NDRG3 using anti- NDRG3 antibody (AAA124744). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: COLO320 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- NDRG3 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NDRG3 at approximately 41KD. The expected band size for NDRG3 is at 41KD.

ADDITIONAL INFORMATION

Related Product Information for anti-NDRG3 antibody	In studies of the NDRG gene family in the human, novel mouse sequences of Ndr2 and Ndr3 were used to search the human genome databases. This confirmed the existence of a human NDRG3 gene, homologous to mouse Ndr3. The 3 known human NDRG proteins show considerable homology, with 54% amino acid sequence identity between NDRG1 and NDRG2, 67% between NDRG1 and NDRG3, and 58% between NDRG2 and NDRG3. The NDRG3 gene was represented by 86 ESTs and a genomic clone from chromosome 20q11.21-q11.23. This provisional chromosomal localization was confirmed by electronic PCR.
Product Categories/Family for anti-NDRG3 antibody	Cell Biology; Cell Cycle; Cell Differentiation; Cancer; Tumor Biomarkers

NCBI AND UNIPROT INFORMATION

NCBI GI #	32130514
NCBI GeneID	57446
NCBI Accession #	NP_071922.2
NCBI GenBank Nucleotide #	NM_022477.3
UniProt Accession #	Q9UGV2; Q5TH32; Q96PL8; Q96SM2; Q9BXY7; Q9H3N7; Q9H411; Q9H8J6; A2A2S8; E1P5U7; E1P5U8
Molecular Weight	41409 MW
NCBI Official Full Name	protein NDRG3 isoform b
NCBI Official Synonym Full Names	NDRG family member 3
NCBI Official Symbol	NDRG3
NCBI Protein Information	protein NDRG3
UniProt Protein Name	Protein NDRG3
UniProt Gene Name	NDRG3

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/ndrg3-antibody-western-blot-immunohistochemistry-elisa/124744>