

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NDRG1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human N-myc is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human NDRG1 Met111-Asp267 Accession # Q92597
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NDRG1 (N-myc downstream-regulated gene 1; also DRG-1 and Cap43) is a 43 kDa member of the NDRG family of proteins. It is ubiquitously expressed, found in fibroblasts, endothelial cells, respiratory epithelium and prostate epithelium. NDRG1 is highly expressed in nonproliferating, differentiating tissue. Human NDRG1 is 394 amino acids (aa) in length. It contains an NDGR domain (aa 286-316) plus three tandem 10 aa hydrophilic repeats (aa 339-368). There are three potential isoform variants. Two involve alternate start sites at Met82 and Met286, while a third shows a four aa substitution for aa 1-34. Over aa 11-267, human NDRG1 is 95% aa identical to mouse NDRG1.

PRODUCT SPECIFIC NOTICES

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