

## DESCRIPTION

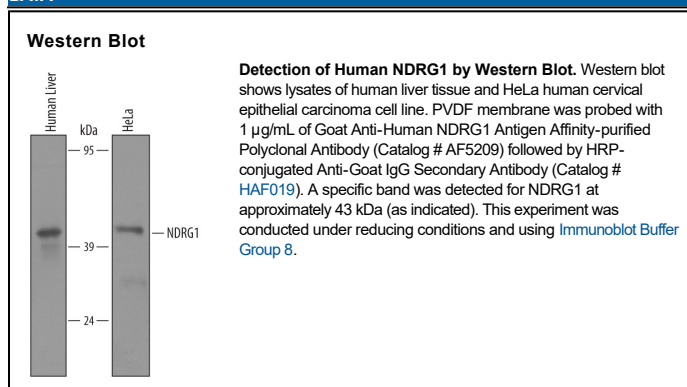
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human NDRG1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human N-myc is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human NDRG1 Met111-Asp267 Accession # Q92597
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.