bs-55141R

[Primary Antibody]

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NDRG1 Rabbit pAb

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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 10397 **SWISS:** Q92597

Target: NDRG1

Immunogen: Recombinant human NDRG1: 175-394/394.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the

antibody is stable for at least two weeks at 2-4°C.

Background: This gene is a member of the N-myc downregulated gene family

which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated caspase activation and apoptosis. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4D, and expression of this gene may be a prognostic indicator for several types of cancer.

Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Applications: WB (1:500-2000)

Reactivity: Human (predicted: Mouse,

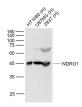
Rat)

Predicted 33/35/42 kDa

Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

VALIDATION IMAGES



Sample: Lane 1: HT1080 (Human) Cell Lysate at 30 ug Lane 2: U87MG (Human) Cell Lysate at 30 ug Lane 3: 293T (Human) Cell Lysate at 30 ug Primary: Anti-NDRG1 (bs-55141R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 45 kD