

For Research Use Only

# Phospho-NDRG1 (Thr346) Recombinant antibody

Catalog Number: 85141-5-RR



## Basic Information

Catalog Number:

85141-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC006260

GeneID (NCBI):

10397

UNIPROT ID:

Q92597

Full Name:

N-myc downstream regulated 1

Calculated MW:

43 kDa

Observed MW:

46 kDa, 48 kDa

Purification Method:

Protein A purification

CloneNo.:

250220C11

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : Insulin treated C2C12 cells,

## Background Information

N-Myc Downstream Regulated 1 (NDRG1) is a member of the N-myc down-regulated gene family which belongs to the alpha/beta hydrolase superfamily. The phosphorylation of NDRG1 (on Thr346) showed the greatest statistically significant increase in clear cell renal cell carcinoma (ccRCC) compared with noncancerous renal tissue. Further study showed the phosphorylation of NDRG1 (Thr346) in ccRCC cells was maintained by RICTOR and mTOR in complex 2. (PMID: 37298315)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

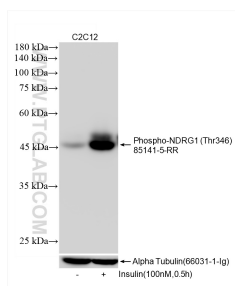
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## Selected Validation Data



Non-treated C2C12 cells and Insulin treated C2C12 cells were subjected to SDS PAGE followed by western blot with 85141-5-RR (Phospho-NDRG1 (Thr346) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.