

Datasheet for ABIN7268785
anti-NDRG1 antibody (pThr346)



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1 Image

Overview

Quantity:	100 µL
Target:	NDRG1
Binding Specificity:	pThr346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-NDRG1-T346 Rabbit pAb
Immunogen:	A synthetic phosphorylated peptide around T346 of human NDRG1 (NP_001128714.1).
Sequence:	SHTSE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	NDRG1
Alternative Name:	NDRG1 (NDRG1 Products)

Target Details

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.,NDRG1,CAP43,CMT4D,DRG-1,DRG1,GC4,HMSNL,NDR1,NMSL,PROXY1,RIT42,RTP,TARG1,TDD5,Epigenetics & Nuclear Signaling,Cancer,Invasion and Metastasis,Signal Transduction,Neuroscience,Neurodegenerative Diseases,Cardiovascular,Angiogenesis,Protein phosphorylation,NDRG1
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Molecular Weight:	33kDa/35kDa/42kDa
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Gene ID:	10397
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UniProt:	Q92597
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Application Details

Application Notes:	WB,1:500 - 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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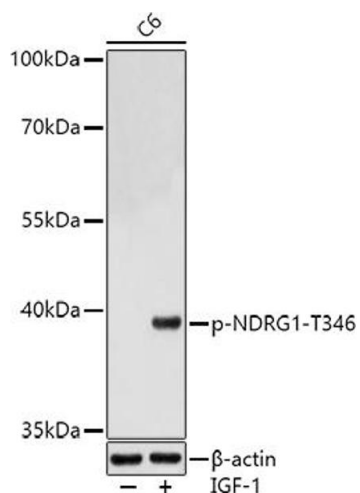
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of C6 cells, using Phospho-NDRG1-T346 antibody (ABIN7268785) at 1:1000 dilution. C6 cells were treated by IGF-1 (50 ng/mL) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.