

Datasheet for ABIN744233

## anti-NDRG1 antibody (pThr346)

### 2 Images



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	NDRG1
Binding Specificity:	pThr346
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDRG1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human NDRG1 around the phosphorylation site of Thr346
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	NDRG1
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## Target Details

Alternative Name:	NDRG1 ( <a href="#">NDRG1 Products</a> )
Background:	<p>Synonyms: N-myc downstream regulated gene 1, TDD5, 42 kDa, cap43, cmt4d, Dferentiation related gene1 protein, Drg 1, drg1, gc4, hmsnl, Human mRNA for RTP complete cds, N myc downstream regulated gene 1 protein, Ndr 1, NDRG 1, Nickel specic induction protein Cap43, Nmyc downstream regulated gene1, Protein NDRG1, Protein regulated by oxygen 1 , Protein regulated by oxygen1, proxy1, reducin, Reducing agents and tunicamycin responsive protein, rit42, rtp, targ1, tdds, tunicamycin-responsive protein.</p> <p>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. Mutation in this gene has been reported to be causative for hereditary motor and sensory neuropathy-Lom. May have a growth inhibitory role. Ubiquitous, expressed most prominently in placental membranes and prostate, kidney, small intestine, and ovary tissues. Reduced expression in adenocarcinomas compared to normal tissues. In colon, prostate and placental membranes, the cells that border the lumen show the highest expression.</p>
Gene ID:	10397

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

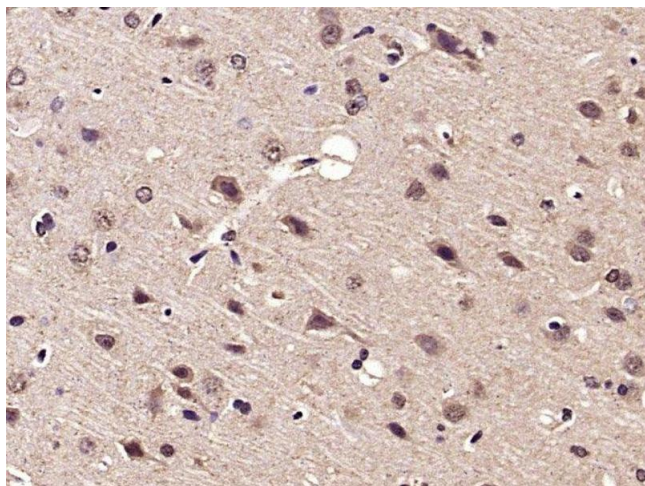
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

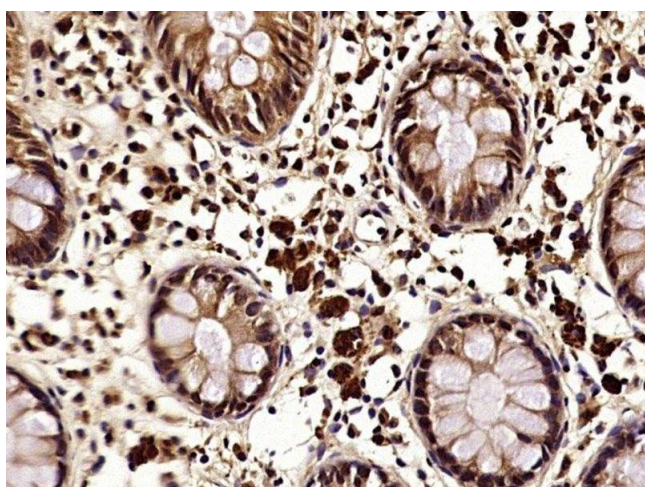
Expiry Date: 12 months

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with NDRG1 (Thr346) Polyclonal Antibody at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded human colon cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with NDRG1 (Thr346) Polyclonal Antibody at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.