

For Research Use Only

# NDRG2 Polyclonal antibody

Catalog Number: 12015-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

12015-1-AP

### Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2629

### GenBank Accession Number:

BC010458

### GeneID (NCBI):

57447

### UNIPROT ID:

Q9UN36

### Full Name:

NDRG family member 2

### Calculated MW:

371 aa, 39 kDa

### Observed MW:

41-43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse brain tissue, HepG2 cells, rat brain tissue

IP : rat brain tissue,

IHC : mouse brain tissue,

## Background Information

NDRG2, or N-myc downstream-regulated gene 2, is a tumor suppressor gene that plays a significant role in cancer development and progression. It is associated with tumor incidence, progression, and metastasis, and is known to regulate tumor-associated genes. NDRG2 is part of the NDRG family, which includes NDRG1, NDRG2, NDRG3, and NDRG4. These proteins are characterized by an esterase/lipase/thioesterase active site serine and an  $\alpha/\beta$  hydrolase fold of approximately 220 amino acids, although they do not exhibit enzyme activity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fenhong Kang	32345304	J Ovarian Res	WB
Zhao Guang	37033917	Front Immunol	IHC

## 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

\*\*\* 20ul sizes contain 0.1% BSA

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

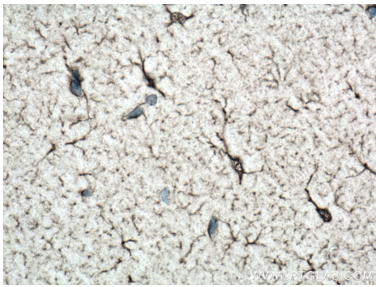
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

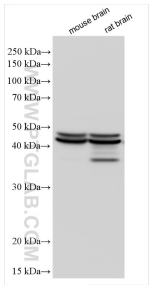
Selected Validation Data



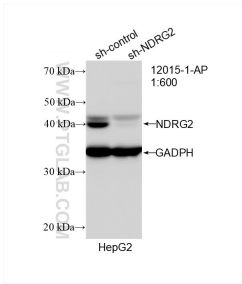
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12015-1-AP (NDRG2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



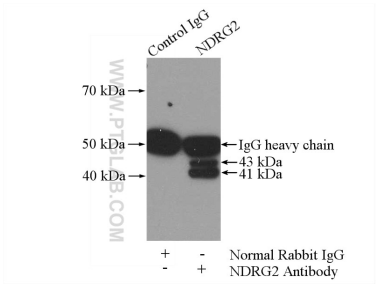
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12015-1-AP (NDRG2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12015-1-AP (NDRG2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of NDRG2 antibody (12015-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDRG2 transfected HepG2 cells.



IP result of anti-NDRG2 (IP:12015-1-AP, 4ug; Detection:12015-1-AP 1:1000) with rat brain tissue lysate 4000ug.