

For Research Use Only

# CHD2 Polyclonal antibody

Catalog Number: 12311-1-AP

3 Publications



## Basic Information

### Catalog Number:

12311-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2960

### GenBank Accession Number:

BC020810

### GeneID (NCBI):

1106

### UNIPROT ID:

O14647

### Full Name:

chromodomain helicase DNA binding protein 2

### Calculated MW:

1828 aa, 211 kDa

### Observed MW:

95 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, rat

### Cited Species:

human, rat

### Positive Controls:

WB: human placenta tissue,

IP: human placenta tissue,

IHC: human lymphoma tissue,

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

## Background Information

Chromodomain-helicase-DNA-binding protein 2, also named as ATP-dependent helicase CHD2, CHD2. It is a sequence-selective DNA-binding protein. Molecular mass of CHD2 is 211kD (201kd for isoform 2, 57kd for isoform 3). CHD2 is confirmed around 95 kDa at the undifferentiated stage. This clearly indicated that CHD2 was involved in specific gene expression at this stage.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhixiong Liu	30876848	Neuron	WB
Minbo Zhang	35891648	PeerJ	WB
Xu Zhang	38767413	Cancer Discov	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

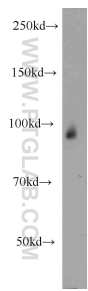
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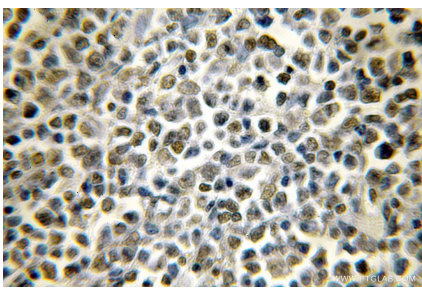
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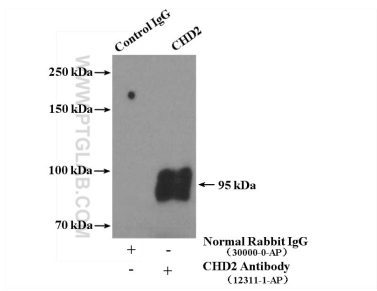
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 12311-1-AP (CHD2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 12311-1-AP (CHD2 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-CHD2 (IP:12311-1-AP, 4ug; Detection:12311-1-AP 1:300) with human placenta tissue lysate 4000ug.