

For Research Use Only

# C20orf20 Polyclonal antibody

Catalog Number: 26040-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

26040-1-AP

### Concentration:

500 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22840

### GenBank Accession Number:

BC014235

### GeneID (NCBI):

55257

### UNIPROT ID:

Q9NV56

### Full Name:

chromosome 20 open reading frame 20

### Calculated MW:

204 aa, 22 kDa

### Observed MW:

30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

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

IHC: 1:500-1:2000

IF/ICC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB : HepG2 cells, mouse testis tissue

IP : HepG2 cells,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

**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

C20orf20, also named as MRG/MORF4L-binding protein or Up-regulated in colon cancer 4 (Urrcc4), is a 204 amino acid protein, which belongs to the EAF7 family. C20orf20 localizes in the nucleus and is a Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. C20orf20 is modified through phosphorylation and acetylation, so the molecular weight of C20orf20 might be 25-30 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Saya Ito	30076933	Biochim Biophys Acta	WB
Ruoyu Huang	38613347	J Cell Mol Med	IHC
Xueqin Sun	36544023	Nature	WB

## 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:

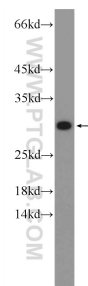
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

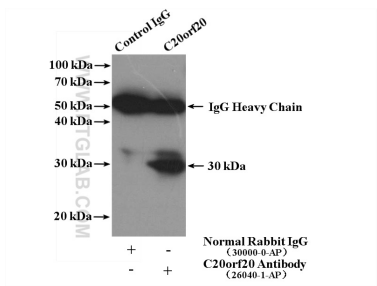
W: [ptgcn.com](http://ptgcn.com)

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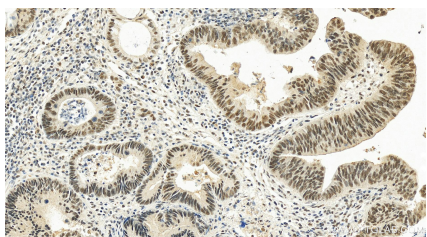
Selected Validation Data



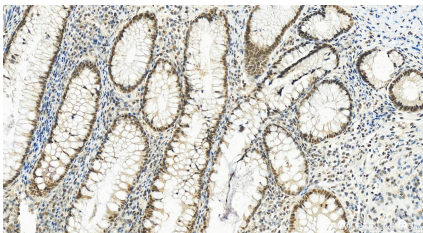
HepG2 cells were subjected to SDS PAGE followed by western blot with 26040-1-AP (C20orf20 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



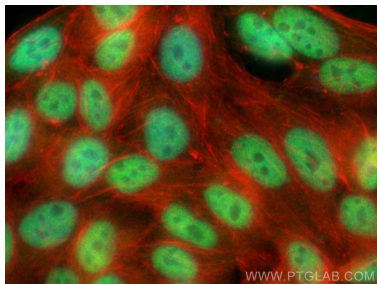
IP result of anti-C20orf20 (IP:26040-1-AP, 4ug; Detection:26040-1-AP 1:300) with HepG2 cells lysate 2640ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26040-1-AP (C20orf20 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26040-1-AP (C20orf20 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using C20orf20 antibody (26040-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).