

For Research Use Only

C20orf20 Polyclonal antibody

Catalog Number: 26040-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

26040-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

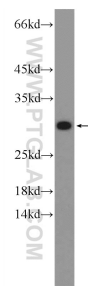
For technical support and original validation data for this product please contact:

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

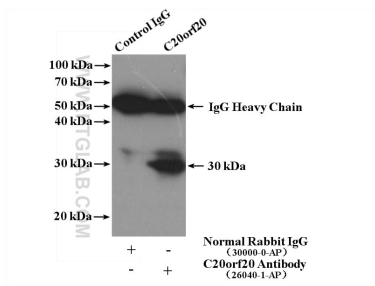
E: proteintech@ptglab.com
W: ptglab.com

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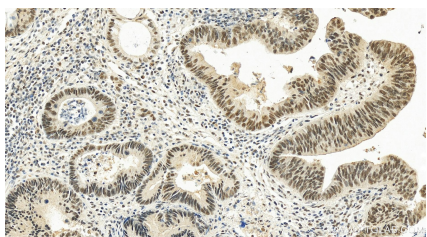
Selected Validation Data



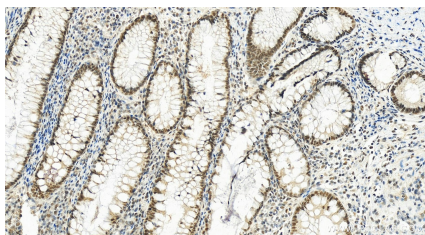
HepG2 cells were subjected to SDS PAGE followed by western blot with 26040-1-AP (C20orf20 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



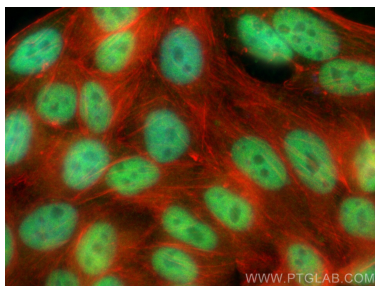
IP result of anti-C20orf20 (IP:26040-1-AP, 4ug; Detection:26040-1-AP 1:300) with HepG2 cells lysate 2640ug.



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).