

For Research Use Only

C20orf20 Polyclonal antibody

Catalog Number: 26040-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 26040-1-AP	GenBank Accession Number: BC014235	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55257	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: chromosome 20 open reading frame 20	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 204 aa, 22 kDa	
Immunogen Catalog Number: AG22840	Observed MW: 30 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HepG2 cells, mouse testis tissue
Species Specificity: human, mouse	IP : HepG2 cells,
Cited Species: human	IHC : human colon cancer tissue, IF : 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 (Urc4), 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

Storage

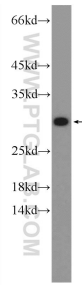
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

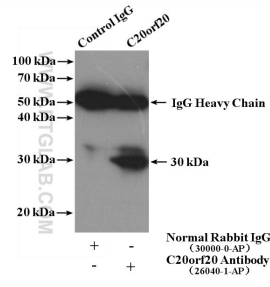
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

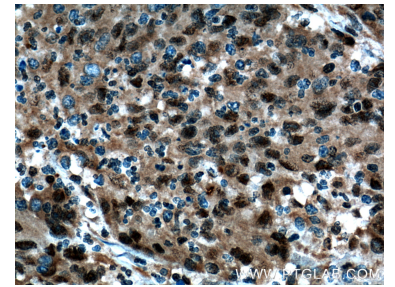
Selected Validation Data



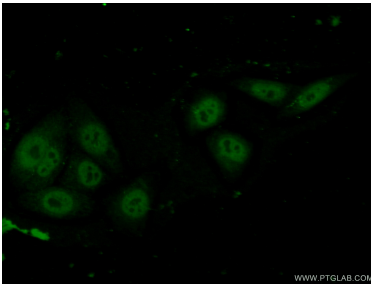
HepG2 cells were subjected to SDS PAGE followed by western blot with 26040-1-AP (C20orf20 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 26040-1-AP (C20orf20 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).