

For Research Use Only

HCFC1 Polyclonal antibody

Catalog Number: 28569-1-AP



Basic Information

Catalog Number:

28569-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29663

GenBank Accession Number:

NM_005334

GeneID (NCBI):

3054

UNIPROT ID:

P51610

Full Name:

host cell factor C1 (VP16-accessory protein)

Calculated MW:

209 kDa

Observed MW:

300 kDa, 100-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

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 : HeLa cells, K-562 cells, NIH/3T3 cells, PC-12 cells, C2C12 cells, C6 cells

IP : HeLa cells,

IHC : mouse liver tissue, human lung cancer tissue, human urothelial carcinoma tissue, mouse cerebellum tissue, mouse lung tissue, mouse skin tissue, rat cerebellum tissue, rat lung tissue, rat skin tissue

IF/ICC : HeLa cells,

Background Information

HCFC1 (also known as HCF-1) was discovered in studies of herpes simplex virus (HSV) transcription. This nuclear coactivator is proteolytically cleaved at one of the six possible sites, resulting in the creation of an N-terminal chain and the corresponding C-terminal chain. The final form of this protein consists of noncovalently bound N- and C-terminal chains. The protein is involved in the control of the cell cycle and transcriptional regulation during herpes simplex virus infection. HCFC1 is a large protein of 300 kDa and is proteolytically processed into N- and C-terminal fragments of 150 kDa each.(PMID: 21295698)

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

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

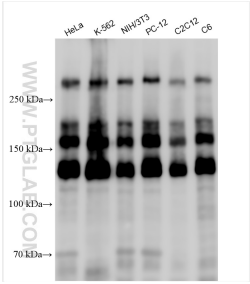
T: 4006900926

E: Proteintech-CN@ptglab.com

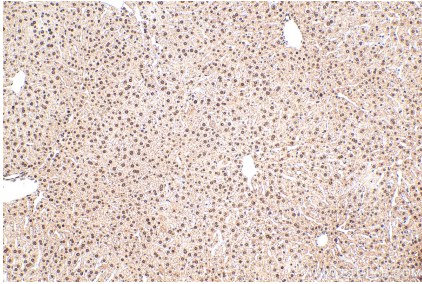
W: ptgcn.com

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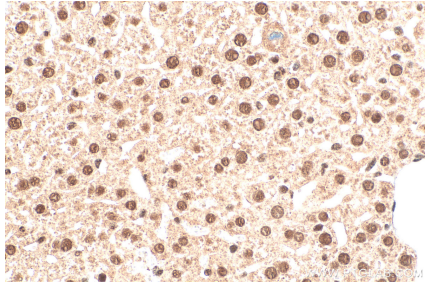
Selected Validation Data



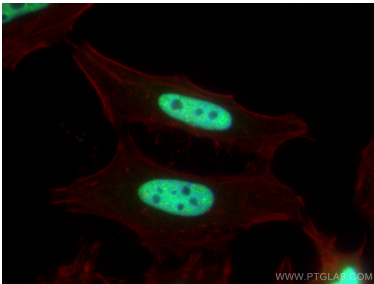
Various lysates were subjected to SDS PAGE followed by western blot with 28569-1-AP (HCFC1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



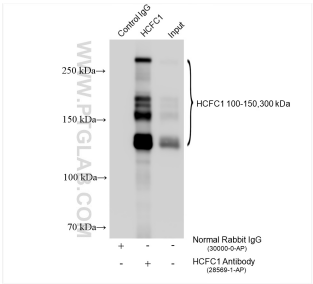
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 28569-1-AP (HCFC1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 28569-1-AP (HCFC1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HCFC1 antibody (28569-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP result of anti-HCFC1 (IP:28569-1-AP, 4ug; Detection:28569-1-AP 1:20000) with HeLa cells lysate 1600 ug.