

For Research Use Only

HCFC1 Polyclonal antibody

Catalog Number: 19358-1-AP **1 Publications**



Basic Information

Catalog Number: 19358-1-AP	GenBank Accession Number: BC063435	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3054	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: host cell factor C1 (VP16-accessory protein)	
Isotype: IgG	Calculated MW: 209 kDa	
Immunogen Catalog Number: AG6798	Observed MW: 230 kDa, 300 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, A431 cells, Jurkat cells
Cited Applications: IF	IHC : human colon cancer tissue, human kidney tissue
Species Specificity: human, mouse, rat	
Cited Species: human, rat	

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

Host cell factor 1 (HCFC1), also known as HCF-1, is a transcriptional co-regulator with a proteolytic cleavage at the PRO repeats that could be cleaved by O-GlcNAc transferase (OGT) to produce a heterodimeric complex of HCFC1N and HCFC1C subunits (PMID: 23539139). HCFC1 was first identified in herpes simplex virus transcription while it lacks a DNA binding domain. HCFC1 is not a traditional transcription factor, it interacts with multiple protein including transcription factors to regulate many biological processes, such as cell proliferation, migration, cell death and mitochondrial biogenesis (PMID: 25281006). Mutation in HCFC1 was related to an X-linked recessive disease --- cblX with a complex clinical manifestation involved in error of metabolism, neurocognitive impairment and craniofacial abnormalities (PMID: 24011988; PMID: 25281006).

Notable Publications

Author	Pubmed ID	Journal	Application
Erina Minato	31758567	Microbiol Immunol	IF

Storage

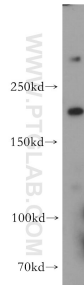
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

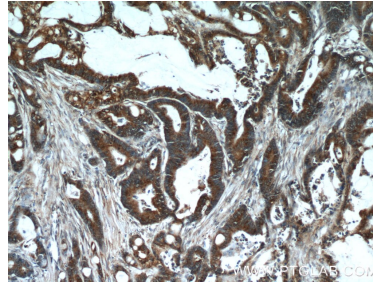
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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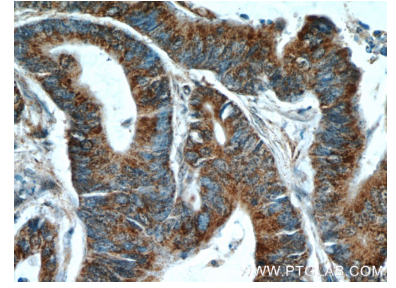
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 19358-1-AP (HCFC1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 19358-1-AP (HCFC1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 19358-1-AP (HCFC1 antibody) at dilution of 1:50 (under 40x lens).