

For Research Use Only

# HCFC1 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 19358-1-AP	<b>GenBank Accession Number:</b> BC063435	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 3054	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P51610	
<b>Isotype:</b> IgG	<b>Full Name:</b> host cell factor C1 (VP16-accessory protein)	
<b>Immunogen Catalog Number:</b> AG6798	<b>Calculated MW:</b> 209 kDa	
	<b>Observed MW:</b> 230 kDa, 300 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, A431 cells, Jurkat cells
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat	

## 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

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

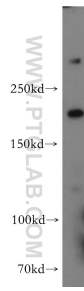
T: 4006900926

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

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

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

## 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.