

For Research Use Only

HCFC1 Polyclonal antibody

Catalog Number: 19358-1-AP **2 Publications**



Basic Information

Catalog Number: 19358-1-AP	GenBank Accession Number: BC063435	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3054	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P51610	
Isotype: IgG	Full Name: host cell factor C1 (VP16-accessory protein)	
Immunogen Catalog Number: AG6798	Calculated MW: 209 kDa	
	Observed MW: 230 kDa, 300 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, A431 cells, Jurkat cells
Cited Applications: WB, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, 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
Yongjie Wei	39985193	Adv Sci (Weinh)	WB

Storage

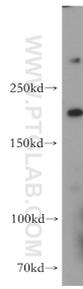
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.