

For Research Use Only

# HERC4 Polyclonal antibody

Catalog Number: 13691-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13691-1-AP	<b>GenBank Accession Number:</b> BC039600	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 26091	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5GLZ8	
<b>Isotype:</b> IgG	<b>Full Name:</b> hect domain and RLD 4	
<b>Immunogen Catalog Number:</b> AG4566	<b>Calculated MW:</b> 1049 aa, 118 kDa	
	<b>Observed MW:</b> 107 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : HeLa cells, human brain tissue, human placenta tissue, human testis tissue, mouse testis tissue, rat testis tissue
<b>Cited Applications:</b> WB, IHC, IF, IP, CoIP	IP : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	IF/ICC : HeLa cells,
<b>Cited Species:</b> human	

## Background Information

HERC4, also known as HECT and RLD domain containing E3 ubiquitin protein ligase 4, is a protein encoded by the HERC4 gene in humans. HERC4 is a novel member of HERC family. The mRNA of HERC4 has been found in all examined tissues, with its levels being significantly higher in the brain and testis than in the placenta and heart. (PMID: 28430527)

## Notable Publications

Author	Pubmed ID	Journal	Application
Pinxiu Huang	35244538	Elife	WB,IHC,IF,IP
Tao Sun	39611657	Cancer Biother Radiopharm	WB,CoIP

## Storage

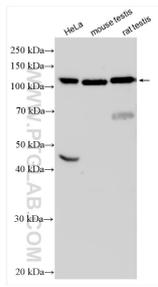
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

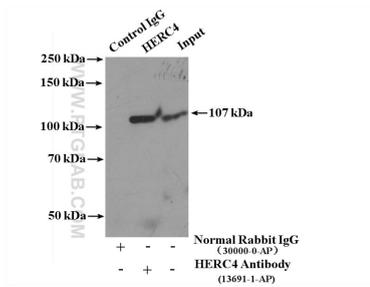
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

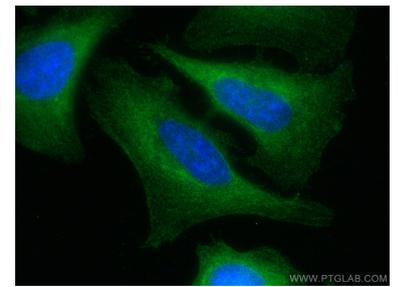
## Selected Validation Data



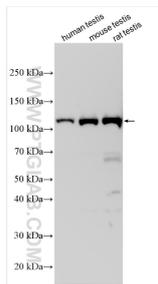
Various lysates were subjected to SDS PAGE followed by western blot with 13691-1-AP (HERC4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-HERC4 (IP:13691-1-AP, 4ug; Detection:13691-1-AP 1:800) with HeLa cells lysate 2000ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HERC4 antibody (13691-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 13691-1-AP (HERC4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.