

For Research Use Only

# HEBP2 Polyclonal antibody

Catalog Number: 12706-1-AP

1 Publications



## Basic Information

### Catalog Number:

12706-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3387

### GenBank Accession Number:

BC008205

### GeneID (NCBI):

23593

### UNIPROT ID:

Q9Y5Z4

### Full Name:

heme binding protein 2

### Calculated MW:

23 kDa

### Observed MW:

23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2400

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : human brain tissue, human kidney tissue

IP : HEK-293 cells,

## Background Information

HEBP2(Heme-binding protein 2), also named SOUL and C6orf34, can promote mitochondrial permeability transition and facilitate necrotic cell death under different types of stress conditions (PMID: 17098234). It is a 23 kDa haem-binding protein that was first identified as the PP23 protein isolated from human full-term placentas. hEBP2 is essential for the proliferation of human cells and the repression of hEBP2 severely decreases the ability of EBNA1 and EBV-based plasmids to bind mitotic chromosomes (PMID: 15923612).

## Notable Publications

Author	Pubmed ID	Journal	Application
BiKang Yang	38554571	Transl Oncol	WB

## 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

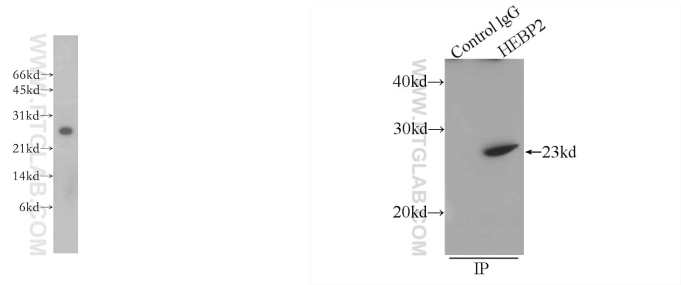
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

# Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 12706-1-AP (HEBP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP result of anti-HEBP2 (IP:12706-1-AP, 3ug; Detection:12706-1-AP 1:500) with HEK-293 cells lysate 2400ug.