For Research Use Only

HEBP2 Polyclonal antibody

Catalog Number:12706-1-AP

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Basic Information

Catalog Number:
12706-1-AP

Size:
700 μg/ml

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:
IP, WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : human brain tissue, human kidney tissue

IP : HEK-293 cells,

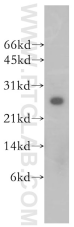
Background Information

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).

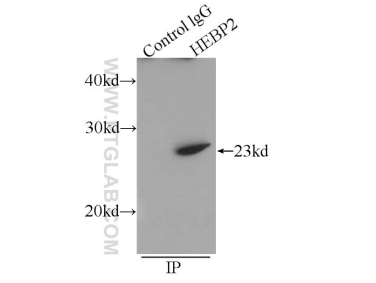
Storage

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

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.