

For Research Use Only

DAK Polyclonal antibody

Catalog Number: 12224-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

12224-1-AP

Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2861

GenBank Accession Number:

BC001341

GeneID (NCBI):

26007

Full Name:

dihydroxyacetone kinase 2 homolog (S. cerevisiae)

Calculated MW:

575 aa, 59 kDa

Observed MW:

55-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, mouse uterus tissue, HepG2 cells

IP : HeLa cells,

Background Information

DAK, also name as TKFC, Triokinase, and FMN cyclase, catalyzes both the phosphorylation of dihydroxyacetone and of glyceraldehyde, and the splitting of ribonucleoside diphosphate-X compounds among which FAD is the best substrate. DAK has some isoforms with MW 51-55 kDa and 59 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiufang Bai	36964915	Endocrinology	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

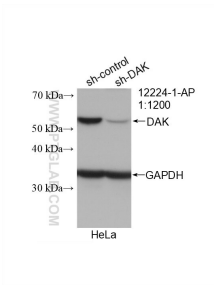
For technical support and original validation data for this product please contact:

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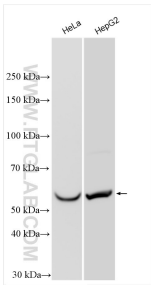
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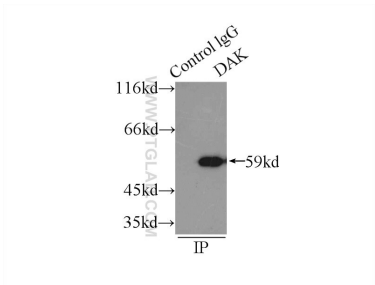
Selected Validation Data



WB result of DAK antibody (12224-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-DAK transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 12224-1-AP (DAK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP Result of anti-DAK (IP:12224-1-AP, 3ug; Detection:12224-1-AP 1:500) with HeLa cells lysate 2150ug.