

For Research Use Only

DAK Polyclonal antibody

Catalog Number:12224-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12224-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2861

GenBank Accession Number:

BC001341

GeneID (NCBI):

26007

UNIPROT ID:

Q3LXA3

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 ug for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

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

IP : HeLa cells,

IHC : human stomach tissue,

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
Maolin Mu	37766977	iScience	WB,IF
Kayla Farrell	37198264	Mol Psychiatry	WB
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

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

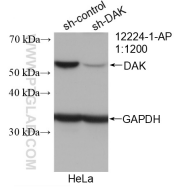
T: 4006900926

E: Proteintech-CN@ptglab.com

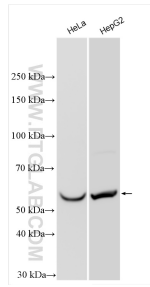
W: ptgcn.com

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

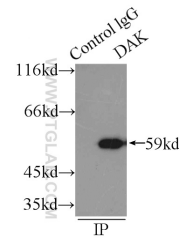
Selected Validation Data



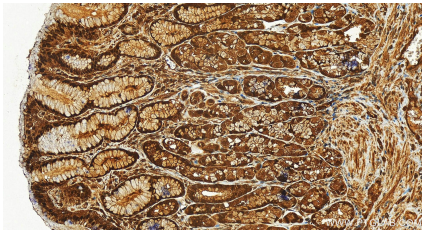
WB result of DAK antibody (12224-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-DAK transfected HeLa cells.



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.



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 12224-1-AP (DAK antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).