

DHA Kinase Rabbit pAb

CatalogNo: YT1341

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 59kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:200-1:1000

ELISA 1:20000

IF 1:20-50

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human DAK. AA range:91-140

Specificity DHA Kinase Polyclonal Antibody detects endogenous levels of DHA Kinase protein.

Target Information

Gene name DAK

Protein Name Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase

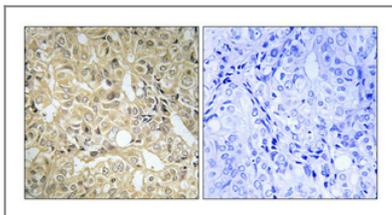
Organism	Gene ID	UniProt ID
Human	26007 ;	Q3LXA3 ;
Mouse	225913 ;	Q8VC30 ;
Rat	361730 ;	Q4KLZ6 ;

Cellular Localization nucleus,cytosol,extracellular exosome,

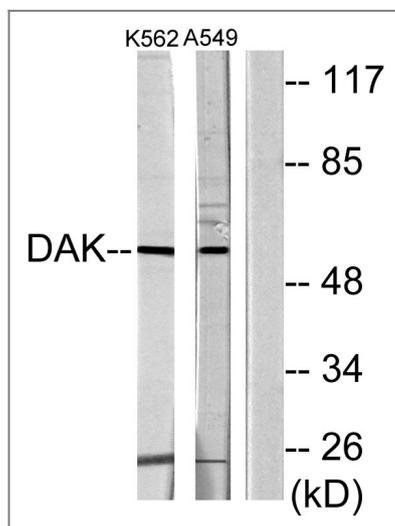
Tissue specificity Detected in erythrocytes (at protein level).

Function Catalytic activity:ATP + glycerone = ADP + glycerone phosphate.,Catalytic activity:FAD = AMP + riboflavin cyclic-4',5'-phosphate.,cofactor:Magnesium.,cofactor:Manganese or cobalt; for FAD-AMP lyase activity.,enzyme regulation:Each activity is inhibited by the substrate(s) of the other.,Function:Catalyzes both the phosphorylation of dihydroxyacetone and the splitting of ribonucleoside diphosphate-X compounds among which FAD is the best substrate.,similarity:Belongs to the dihydroxyacetone kinase (DAK) family.,similarity:Contains 1 DAK1 (dihydroxyacetone kinase subunit 1) domain.,similarity:Contains 1 DAK2 (dihydroxyacetone kinase subunit 2) domain.,subunit:Homodimer.,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human prostate cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from K562 and A549 cells, using DAK Antibody. The lane on the right is blocked with the synthesized peptide.

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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