

For Research Use Only

# CERK Polyclonal antibody

Catalog Number: 25731-1-AP

2 Publications



## Basic Information

Catalog Number:

25731-1-AP

Concentration:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22774

GenBank Accession Number:

BC126940

GeneID (NCBI):

64781

UNIPROT ID:

Q8TCT0

Full Name:

ceramide kinase

Calculated MW:

537 aa, 60 kDa, 38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

**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 : mouse heart tissue, mouse liver tissue

IHC : mouse heart tissue, human breast cancer tissue

## Background Information

Ceramide kinase (CERK) is a crucial lipid kinase that specifically catalyses ceramide (CER) to ceramide-1-phosphate. It plays a vital role in biological functions and certain diseases, including aberrant wound healing (PMID: 24823941), obesity-diabetes (PMID: 22465662), mesangio-proliferative kidney diseases (PMID: 25134723), cancer (PMID: 25164007) and neuroblastoma (PMID: 22579669). CERK has 2 isoforms with the molecular weight of 60 and 38 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jianxi Shi	40327927	Ecotoxicol Environ Saf	WB
Jiacong Chen	40233527	Burns	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

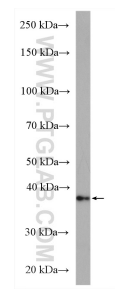
T: 4006900926

E: Proteintech-CN@ptglab.com

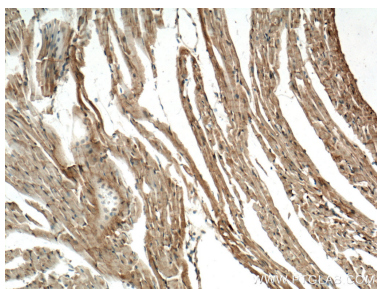
W: ptgcn.com

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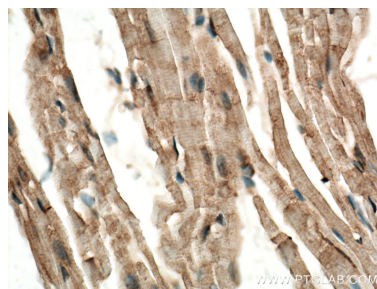
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 25731-1-AP (CERK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 25731-1-AP (CERK antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 25731-1-AP (CERK antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).