

Anti-CERKL Antibody
Rabbit polyclonal antibody to CERKL
Catalog # AP60249

Specification

Anti-CERKL Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC |
| Primary Accession | Q49M13 |
| Reactivity | Human, Monkey |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 62622 |

Anti-CERKL Antibody - Additional Information

Gene ID 375298

Other Names

Ceramide kinase-like protein

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CERKL. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CERKL Antibody - Protein Information

Name CERKL

Function

Has no detectable ceramide-kinase activity. Overexpression of CERKL protects cells from apoptosis in oxidative stress conditions.

Cellular Location

Cytoplasm. Nucleus, nucleolus. Note=Enriched in nucleoli. May shuttle between nucleus and cytoplasm. Isoform 5 is not enriched in the nucleoli

Tissue Location

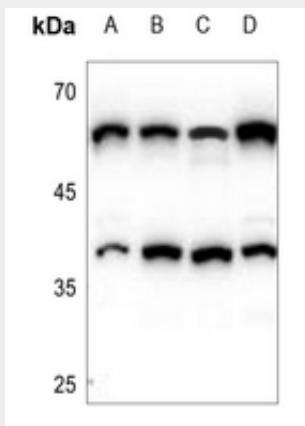
Isoform 1 and isoform 2 are expressed in adult retina, liver and pancreas as well as in fetal brain, lung and kidney. Isoform 3 is expressed in adult retina as well as in fetal lung and liver. Isoform 4 is expressed in adult retina, lung and kidney as well as in fetal lung and liver. Moderately expressed in retina, kidney, lung, testis, trachea, and pancreas. Weakly expressed in brain, placenta and liver.

Anti-CERKL Antibody - Protocols

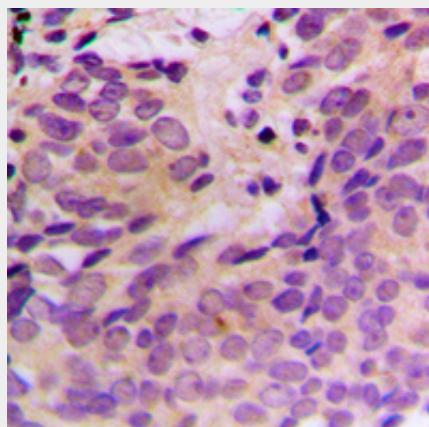
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CERKL Antibody - Images



Western blot analysis of CERKL expression in HCT116 (A), SGC7901 (B), A549 (C), HEK293T (D) whole cell lysates.



Immunohistochemical analysis of CERKL staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with

sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CERKL Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CERKL. The exact sequence is proprietary.