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Anti-CERKL Antibody

Catalog # AP60249

Product Information

Application	WB, IHC
Primary Accession	Q49MI3
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62622

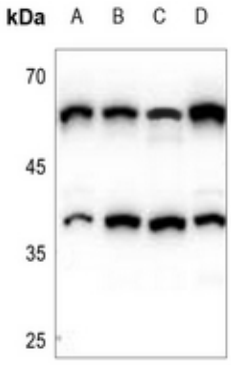
Additional Information

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), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

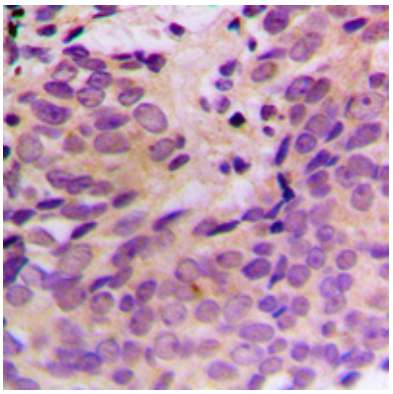
Protein Information

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.

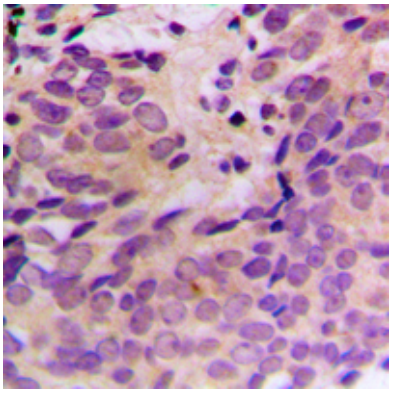
Images



Western blot analysis of CERKL expression in HCT116 (A), SGC7901 (B), A549 (C), HEK293T (D) whole cell lysates. (Predicted band size: 62 kD; Observed band size: 62 kD)



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.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.