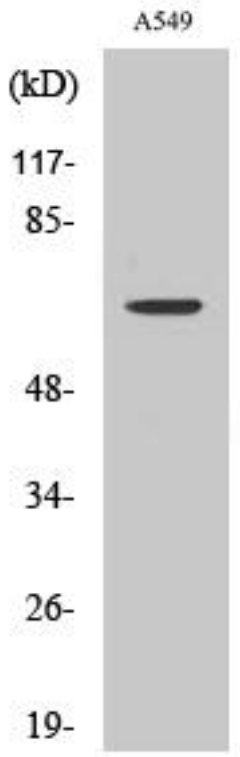
CERKL Monoclonal Antibody

Catalog No	YP-mAb-03768
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CERKL
Protein Name	Ceramide kinase-like protein
Immunogen	The antiserum was produced against synthesized peptide derived from human CERKL. AA range:341-390
Specificity	CERKL Monoclonal Antibody detects endogenous levels of CERKL protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CERKL; Ceramide kinase-like protein
Observed Band	63kD
Cell Pathway	Cytoplasm. Nucleus, nucleolus. Enriched in nucleoli. May shuttle between nucleus and cytoplasm. Isoform 5 is not enriched in the nucleoli.; [Isoform 2]: Cytoplasm. Nucleus, nucleolus. Golgi apparatus, trans-Golgi network. Endoplasmic reticulum.
Tissue Specificity	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.
Function	developmental stage:Expressed in fetal lung, kidney and brain.,disease:Defects in CERKL are the cause of retinitis pigmentosa type 26 (RP26) [MIM:608380]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP26 inheritance is autosomal recessive.,function:Has no detectable ceramide-kinase activity.,PTM:Phosphorylated on serine residues.,sequence caution:Wrong choice of CDS.,similarity:Contains 1 DAGKc domain.,subcellular location:Enriched in nucleoli. May shuttle between nucleus and cytoplasm. Isoform 5 is not enriched in the nucleoli.,tissue specificity:Moderately expressed in

	retina, kidney, lung, testis, trachea, and pancreas. Weakly expressed in brain, placenta and liver.,
Background	This gene was initially identified as a locus (RP26) associated with an autosomal recessive form of retinitis pigmentosa (arRP) disease. This gene encodes a protein with ceramide kinase-like domains, however, the protein does not phosphorylate ceramide and its target substrate is currently unknown. This protein may be a negative regulator of apoptosis in photoreceptor cells. Mutations in this gene cause a form of retinitis pigmentosa characterized by autosomal recessive cone and rod dystrophy (arCRD). Alternative splicing of this gene results in multiple transcript variants encoding different isoforms and non-coding transcripts.[provided by RefSeq, May 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CERKL Monoclonal Antibody