

Rabbit anti-Human, Mouse CERKL Polyclonal Antibody | anti-CERKL antibody

CERKL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321162	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CERKL; Polyclonal Antibody; CERKL Antibody; Ceramide kinase like protein; Ceramide kinase-like protein; CERKL_HUMAN; Retinitis pigmentosa 26 (autosomal recessive); RP26; anti-CERKL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CERKL antibody detects endogenous levels of CERKL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-CERKL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CERKL
Subcellular Location	Cytoplasm. Nucleus > Nucleolus. Enriched in nucleoli. May shuttle between nucleus and cytoplasm. Isoform 5 is not enriched in the nucleoli and 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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (89%), Horse (91%), Sheep (89%), Rabbit (91%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using CERKL Antibody.



WB (Western Blot)
Western blot analysis on A549 cell lysate using CERKL Antibody, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from 293, using CERKL Antibody.



IF (Immunofluorescence)
AAA321162 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CERKL antibody	Description: Ceramide kinases convert the sphingolipid metabolite ceramide into ceramide-1-phosphate, both key mediators of cellular apoptosis and survival. Ceramide metabolism plays an essential role in the viability of neuronal cells, the membranes of which are particularly rich in sphingolipids (Tuson et al., 2004).[supplied by OMIM] Function: Has no detectable ceramide-kinase activity. Overexpression of CERKL protects cells from apoptosis in oxidative stress conditions. Post-translational Modifications: Phosphorylated on serine residues.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	71896723
NCBI GeneID	375298
NCBI Accession #	NP_001025482.1
NCBI GenBank Nucleotide #	NM_001030311.2
UniProt Accession #	Q49MI3; Q49MH9; Q49MI0; Q49MI1; Q49MI2; Q5DVJ2; Q5DVJ4; Q5DVJ5; Q6UZF6; Q6ZP59; B2RPL2; B4DEY1
Molecular Weight	Observed: 63 kDa Predicted: 63 kDa
NCBI Official Full Name	ceramide kinase-like protein isoform 2
NCBI Official Synonym Full Names	ceramide kinase like
NCBI Official Symbol	CERKL
NCBI Official Synonym Symbols	RP26
NCBI Protein Information	ceramide kinase-like protein
UniProt Protein Name	Ceramide kinase-like protein
UniProt Gene Name	CERKL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.