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# **CERK Rabbit pAb**

CatalogNo: YN8212

# Key Features

Host Species <ul> <li>Rabbit</li> </ul>	<ul><li>Reactivity</li><li>Human,Mouse</li></ul>	Applications <ul> <li>WB</li> </ul>	
MW • 59kD (Calculated)	Isotype • IgG		

#### **Recommended Dilution Ratios**

WB 1:500-2000

### **Storage**

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

# **Basic Information**

Clonality Polyclonal

### Immunogen Information

Immunogen	Synthesized peptide derived from human CERK
Specificity	This antibody detects endogenous levels of CERK at Human, Mouse

# Target Information

Gene name CERK KIAA1646

Protein Name	Ceramide kinase	(hCERK)	(Acvlsphingosine	kinase) (L	_ipid kinase 4)	(LK4)
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Organism	Gene ID	UniProt ID
Human	<u>64781;</u>	<u>Q8TCT0;</u>
Mouse	<u>223753;</u>	<u>Q8K4Q7;</u>

#### Cellular Cytoplasm . Cell membrane ; Peripheral membrane protein .

Localization

- on
- **Tissue specificity** High level expression in heart, brain, skeletal muscle, kidney and liver; moderate in peripheral blood leukocytes and thymus; very low in spleen, small intestine, placenta and lung.
- FunctionCatalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate . Acts<br/>efficiently on natural and analog ceramides (C6, C8, C16 ceramides, and C8-<br/>dihydroceramide), to a lesser extent on C2-ceramide and C6-dihydroceramide, but not on<br/>other lipids, such as various sphingosines . Shows a greater preference for D-erythro isomer<br/>of ceramides . Binds phosphoinositides .

# Validation Data

## **Contact information**

order.cn@immunoway.com
support.cn@immunoway.com
400-8787-807(China)
http://www.immunoway.com.cn
2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information: **CERK Rabbit pAb** 

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