

CERK Rabbit pAb

CatalogNo: YN8212

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

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) (Acylsphingosine kinase) (Lipid kinase 4) (LK4)		
	Organism	Gene ID	UniProt ID
	Human	64781 ;	Q8TCT0 ;
	Mouse	223753 ;	Q8K4Q7 ;
Cellular Localization	Cytoplasm . Cell membrane ; Peripheral membrane protein .		
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.		
Function	Catalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate . Acts efficiently on natural and analog ceramides (C6, C8, C16 ceramides, and C8-dihydroceramide), to a lesser extent on C2-ceramide and C6-dihydroceramide, but not on other lipids, such as various sphingosines . Shows a greater preference for D-erythro isomer of ceramides . Binds phosphoinositides .		

Validation Data

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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CERK Rabbit pAb

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