

### CRMP-2 (phospho Thr509) Polyclonal Antibody

**Catalog # AP67746** 

### **Specification**

### CRMP-2 (phospho Thr509) Polyclonal Antibody - Product Information

Application WB, IHC-P Primary Accession O16555

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# CRMP-2 (phospho Thr509) Polyclonal Antibody - Additional Information

### **Gene ID** 1808

### **Other Names**

DPYSL2; CRMP2; ULIP2; Dihydropyrimidinase-related protein 2; DRP-2; Collapsin response mediator protein 2; CRMP-2; N2A3; Unc-33-like phosphoprotein 2; ULIP-2

#### **Dilution**

WB $\sim\sim$ Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

### **Storage Conditions**

-20°C

# CRMP-2 (phospho Thr509) Polyclonal Antibody - Protein Information

### Name DPYSL2

Synonyms CRMP2, ULIP2

### **Function**

Plays a role in neuronal development and polarity, as well as in axon growth and guidance, neuronal growth cone collapse and cell migration. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. May play a role in endocytosis.

### **Cellular Location**

Cytoplasm, cytosol. Cytoplasm, cytoskeleton. Membrane. Note=Tightly but non-covalently associated with membranes

# **Tissue Location**

Ubiquitous.

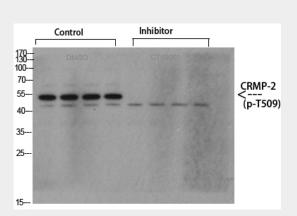


# CRMP-2 (phospho Thr509) Polyclonal Antibody - Protocols

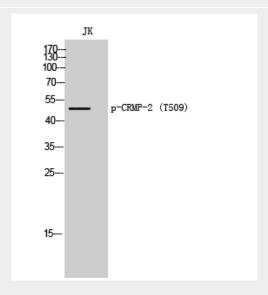
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# CRMP-2 (phospho Thr509) Polyclonal Antibody - Images



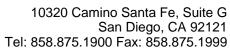
Western Blot analysis of various cells using primary antibody diluted at  $1:1000(4^{\circ}\text{C} \text{ overnight})$ . Secondary antibody Goat Anti-rabbit IgG IRDye 800( diluted at 1:5000,  $25^{\circ}\text{C}$ , 1 hour). Cell lysate was extracted by Minute Plasma Membrane Protein Isolation and Cell Fractionation Kit(SM-005, Inventbiotech, MN, USA).



Western Blot analysis of JK cells using Phospho-CRMP-2 (T509) Polyclonal Antibody

## CRMP-2 (phospho Thr509) Polyclonal Antibody - Background

Plays a role in neuronal development and polarity, as well as in axon growth and guidance,





neuronal growth cone collapse and cell migration. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. May play a role in endocytosis.