

## Anti-PAPK (ALS2CR2) Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 28107

**Size:** 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

### **BACKGROUND**

PAPK (polyploidy-associated protein kinase) is a new member of the Ste20/germinal center kinase family that modulates cytoskeletal organization and cell survival. Activation of a death signal transduction pathway may result in the stimulation of the PAPK promoter which leads to increased PAPK expression and provides a negative feedback signal that prevents cell death. Another name for this protein is ALS2CR2 (amyotrophic lateral sclerosis 2 chromosome region candidate 2, isoform A).

### **BACKGROUND REFERENCE**

Nishigaki, K et al. (2003) J Biol Chem 15: 13520-30.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*

### **SPECIFICATION SUMMARY**

**Immunogen:** Synthetic peptide corresponding to amino acids 399-418 (SPWSELEFQFPDDKDPVWEF) of mouse PAPK conjugated to KLH at the C-terminus.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** None. Available on request.

### **SPECIFICITY**

This antibody recognizes mouse PAPK. Sequence homology with human PAPK is 60%.

### **APPLICATIONS**

**Immunoblotting:** use at 1:250 dilution. A band of approximately 46-47 kDa is detected.

Positive control: liver tissue lysate.

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium which is identical to that used in the assay system.

### **STORAGE AND STABILITY**

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.