



# PRKAR1A Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP6773c

### **Specification**

PRKAR1A Antibody (Center) Blocking Peptide - Product Information

Primary Accession P10644

PRKAR1A Antibody (Center) Blocking Peptide - Additional Information

**Gene ID 5573** 

### **Other Names**

cAMP-dependent protein kinase type I-alpha regulatory subunit, Tissue-specific extinguisher 1, TSE1, cAMP-dependent protein kinase type I-alpha regulatory subunit, N-terminally processed, PRKAR1A, PKR1, PRKAR1, TSE1

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/products/AP6773c>AP6773c</a> was selected from the Center region of human PRKAR1A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

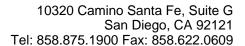
PRKAR1A Antibody (Center) Blocking Peptide - Protein Information

# PRKAR1A Antibody (Center) Blocking Peptide - Background

The inactive form of PRKAR1A is composed of two regulatory chains and two catalytic chains. Activation of PRKAR1A by cAMP produces two active catalytic monomers and a regulatory dimer that binds four cAMP molecules. PRKAR1A also interacts with RFC2; the complex may be involved in cell survival.

# PRKAR1A Antibody (Center) Blocking Peptide - References

Ragazzon, B., et.al., Cancer Res. 69 (18), 7278-7284 (2009)





### Name PRKAR1A

Synonyms PKR1, PRKAR1, TSE1

### **Function**

Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.

### **Cellular Location**

Cell membrane.

## **Tissue Location**

Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

# PRKAR1A Antibody (Center) Blocking Peptide - Protocols

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

• Blocking Peptides