

### **SPHKAP Blocking Peptide**

Catalog # PBV10512b

# **Specification**

### **SPHKAP Blocking Peptide - Product Information**

Primary Accession
Gene ID
Calculated MW
Q2M3C7
80309
186456

### **SPHKAP Blocking Peptide - Additional Information**

**Gene ID 80309** 

Application & Usage The peptide is used for blocking the

antibody activity of SPHKAP. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for

30-60 minutes at 37°C.

#### **Other Names**

A-kinase anchor protein SPHKAP, SPHK1-interactor and AKAP domain-containing protein, Sphingosine kinase type 1-interacting protein, SPHKAP, KIAA1678, SKIP

# Target/Specificity

SPHKAP

#### **Formulation**

 $50~\mu g$  (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

# **Reconstitution & Storage**

-20 °C

# **Background Descriptions**

### **Precautions**

SPHKAP Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

#### **SPHKAP Blocking Peptide - Protein Information**

Name SPHKAP

Synonyms KIAA1678, SKIP

#### **Function**

Anchoring protein that binds preferentially to the type I regulatory subunit of c-AMP-dependent



protein kinase (PKA type I) and targets it to distinct subcellular compartments. May act as a converging factor linking cAMP and sphingosine signaling pathways. Plays a regulatory role in the

### **Cellular Location**

modulation of SPHK1.

Cytoplasm. Note=Colocalizes with SPHK1 in the cytoplasm

#### **Tissue Location**

Highly expressed in heart. Both isoforms abundantly expressed in ventricle. Also expressed in spleen, ovary and brain

## **SPHKAP Blocking Peptide - Protocols**

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

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

**SPHKAP Blocking Peptide - Images**