

SPHKAP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56782**Specification**

SPHKAP Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q2M3C7
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	186 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SPHKAP
Epitope Specificity	1131-1230/1700
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Colocalizes with SPHK1 in the cytoplasm.
SIMILARITY	Belongs to the AKAP110 family.
SUBUNIT	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 modulation of SPHK1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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 modulation of SPHK1.

SPHKAP Polyclonal Antibody - Additional Information**Gene ID** 80309**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

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

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SPHKAP Polyclonal Antibody - 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 modulation of SPHK1.

Cellular Location

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 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SPHKAP Polyclonal Antibody - Images