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SPHKAP Rabbit pAb

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Catalog # AP56782

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q2M3C7
Predicted	Human, Mouse, Rat, Chicken, Dog, Pig, Horse, Rabbit, Zebrafish, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	186456
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.

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=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

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.

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

Background

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.