

# SPHKAP Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ABV11705

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB                     |
| <b>Primary Accession</b> | <a href="#">Q2M3C7</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat      |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Calculated MW</b>     | 186456                 |

## Additional Information

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| <b>Gene ID</b>                      | 80309                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Positive Control</b>             | Western blot: Jurkat Cell lysate                                                                                                                                                                                                                                                                                                                                                |
| <b>Application &amp; Usage</b>      | Western blot: 1-4 $\mu$ g/ml.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Other Names</b>                  | A-kinase anchor protein SPHKAP, SPHK1 interactor, AKAP domain containing, DKFZp781H143, DKFZp781J171, KIAA1678, MGC132614 antibody, MGC132616, SKIP antibody, A-kinase anchor protein Sphingosine kinase type 1-interacting protein, SPHK1 (Sphingosine kinase type 1) interacting protein, SPHK1-interactor and AKAP domain-containing protein, SPHK1 interactor, AKAP domain. |
| <b>Target/Specificity</b>           | SPHKAP                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Antibody Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Appearance</b>                   | Colorless liquid                                                                                                                                                                                                                                                                                                                                                                |
| <b>Formulation</b>                  | 30 $\mu$ g (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.                                                                                                                                                                                                                                                                   |
| <b>Handling</b>                     | The antibody solution should be gently mixed before use.                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution &amp; Storage</b> | -20 °C                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Background Descriptions</b>      |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Precautions</b>                  | SPHKAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                               |

## Protein Information

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|-------------|--------|
| <b>Name</b> | SPHKAP |
|-------------|--------|

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>          | KIAA1678, SKIP                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Cytoplasm. Note=Colocalizes with SPHK1 in the cytoplasm                                                                                                                                                                                                                                                              |
| <b>Tissue Location</b>   | Highly expressed in heart. Both isoforms abundantly expressed in ventricle. Also expressed in spleen, ovary and brain                                                                                                                                                                                                |

## Background

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.