

# KSR1 Antibody

Rabbit mAb

Catalog # AP91622

## Product Information

|                          |   |
|--------------------------|---|
| <b>Application</b>       | WB, IHC, IF, FC, ICC, IHF                 |
| <b>Primary Accession</b> | <a href="#">Q8IVT5</a>                    |
| <b>Reactivity</b>        | Human, Mouse                              |
| <b>Clonality</b>         | Monoclonal                                |
| <b>Other Names</b>       | BKSR1; dKsr; EK31; KSR; KSR1; RSU2; SR31; |
| <b>Isotype</b>           | Rabbit IgG                                |
| <b>Host</b>              | Rabbit                                    |
| <b>Calculated MW</b>     | 102160                                    |

## Additional Information

|                                     |  |
|-------------------------------------|--|
| <b>Dilution</b>                     | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:100  |
| <b>Purification</b>                 | Affinity-chromatography  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human KSR1  |
| <b>Description</b>                  | Location-regulated scaffolding protein connecting MEK to RAF. Promotes MEK and RAF phosphorylation and activity through assembly of an activated signaling complex. By itself, it has no demonstrated kinase activity. |
| <b>Storage Condition and Buffer</b> | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                                      |

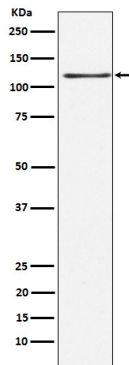
## Protein Information

|                          |  |
|--------------------------|--|
| <b>Name</b>              | KSR1   |
| <b>Synonyms</b>          | KSR  |
| <b>Function</b>          | Part of a multiprotein signaling complex which promotes phosphorylation of Raf family members and activation of downstream MAP kinases (By similarity). Independently of its kinase activity, acts as MAP2K1/MEK1 and MAP2K2/MEK2-dependent allosteric activator of BRAF; upon binding to MAP2K1/MEK1 or MAP2K2/MEK2, dimerizes with BRAF and promotes BRAF-mediated phosphorylation of MAP2K1/MEK1 and/or MAP2K2/MEK2 (PubMed: <a href="#">29433126</a> ). Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP (By similarity). Its kinase activity is unsure (By similarity). Some protein kinase activity has been detected in vitro, however the physiological relevance of this activity is unknown (By similarity). |
| <b>Cellular Location</b> | Cytoplasm. Membrane; Peripheral membrane protein. Cell membrane {ECO:0000250 UniProtKB:Q61097}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q61097}. Cell projection, ruffle membrane   |

{ECO:0000250|UniProtKB:Q61097}. Endoplasmic reticulum membrane.  
Note=In unstimulated cells, where the phosphorylated form is bound to a 14-3-3 protein, sequestration in the cytoplasm occurs. Following growth factor treatment, the protein is free for membrane translocation, and it moves from the cytoplasm to the cell periphery.

## Images

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Western blot analysis of KSR1 expression in HEK293 cell lysate.

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