

KD-Validated Anti-KSR1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1561

Product Information

Application	WB, FC
Primary Accession	Q8IVT5
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB6290
Calculated MW	102160
Gene Name	KSR1
Aliases	KSR1; Kinase Suppressor Of Ras 1; RSU2; KSR; Kinase Suppressor Of Ras; EC 2.7.11.1
Immunogen	A synthesized peptide derived from human KSR1

Additional Information

Gene ID	8844
Other Names	Kinase suppressor of Ras 1, 2.7.11.1, KSR1, KSR

Protein Information

Name	KSR1
Synonyms	KSR
Function	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: 29433126). 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).
Cellular Location	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.

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