

**Mouse Ksr2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14634b****Specification**

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**Mouse Ksr2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q3UVC0](#)**Mouse Ksr2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 333050**Other Names**

Kinase suppressor of Ras 2, Ksr2 {ECO:0000312|MGI:MGI:3610315}

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Ksr2 Antibody (C-term) Blocking Peptide - Protein Information****Name** Ksr2 {ECO:0000312|MGI:MGI:3610315}**Function**

Location-regulated scaffold connecting MEK to RAF. Has very low protein kinase activity and can phosphorylate MAP2K1 at several Ser and Thr residues with very low efficiency (in vitro). Acts as MAP2K1/MEK1-dependent allosteric activator of BRAF; upon binding to MAP2K1/MEK1, dimerizes with BRAF and promotes BRAF-mediated phosphorylation of MAP2K1/MEK1. Interaction with BRAF enhances KSR2-mediated phosphorylation of MAP2K1 (in vitro). Blocks MAP3K8 kinase activity and MAP3K8-mediated signaling. Acts as a negative regulator of MAP3K3-mediated activation of ERK, JNK and NF-kappa-B pathways, inhibiting MAP3K3-mediated interleukin-8 production.

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q61097}. Membrane {ECO:0000250|UniProtKB:Q61097}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q61097}

**Mouse Ksr2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Mouse Ksr2 Antibody (C-term) Blocking Peptide - Images**

#### **Mouse Ksr2 Antibody (C-term) Blocking Peptide - Background**

Location-regulated scaffold connecting MEK to RAF. Blocks MAP3K8 kinase activity and MAP3K8-mediated signaling. Acts as a negative regulator of MAP3K3-mediated activation of ERK, JNK and NF-kappa-B pathways, inhibiting MAP3K3-mediated interleukin-8 production (By similarity).

#### **Mouse Ksr2 Antibody (C-term) Blocking Peptide - References**

Costanzo-Garvey, D.L., et al. Cell Metab. 10(5):366-378(2009) Dougherty, M.K., et al. Mol. Cell 34(6):652-662(2009)