

KSR2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11443b**Specification**

KSR2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q6VAB6](#)**KSR2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 283455**Other Names**

Kinase suppressor of Ras 2, hKSR2, KSR2

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.

KSR2 Antibody (C-term) Blocking peptide - Protein Information**Name** KSR2 ([HGNC:18610](#))**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 (PubMed:29433126). 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. Membrane; Peripheral membrane protein

Tissue Location

Mainly expressed in brain and kidney.

KSR2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KSR2 Antibody (C-term) Blocking peptide - Images

KSR2 Antibody (C-term) Blocking peptide - Background

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KSR2 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Liu, L., et al. Biochim. Biophys. Acta 1794(10):1485-1495(2009)Zemunik, T., et al. Croat. Med. J. 50(1):23-33(2009)