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KSR2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11443b

Specification

KSR2 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q6VAB6
Other Accession	NP_775869.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**107632**
Antigen Region	**603-638**

KSR2 Antibody (C-term) - Additional Information

Gene ID 283455

Other Names
Kinase suppressor of Ras 2, hKSR2, KSR2

Target/Specificity
This KSR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 603-638 amino acids from the C-terminal region of human KSR2.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KSR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KSR2 Antibody (C-term) - 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

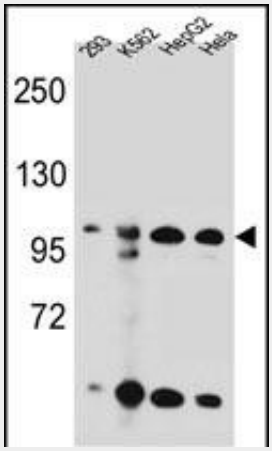
Tissue Location
Mainly expressed in brain and kidney.

KSR2 Antibody (C-term) - Protocols

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

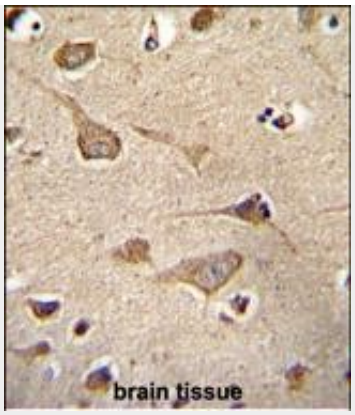
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KSR2 Antibody (C-term) - Images

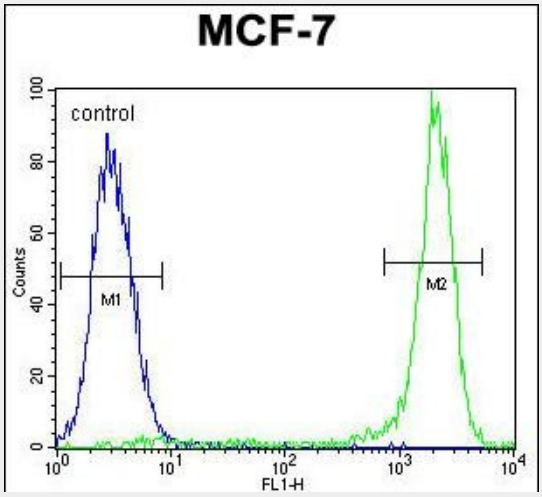


KSR2 Antibody (C-term) (Cat. #AP11443b) western blot analysis in 293,K562,HepG2,Hela cell line lysates (35ug/lane).This demonstrates the KSR2 antibody detected the KSR2 protein (arrow).

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KSR2 Antibody (C-term) (Cat. #AP11443b)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of KSR2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



KSR2 Antibody (C-term) (Cat. #AP11443b) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KSR2 Antibody (C-term) - 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.

KSR2 Antibody (C-term) - References

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Liu, L., et al. Biochim. Biophys. Acta 1794(10):1485-1495(2009)
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