Rabbit anti-Human, Mouse KSR2 Polyclonal Antibody | anti-KSR2 antibody

KSR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321191	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

KSR2; Polyclonal Antibody; KSR2 Antibody; FLJ25965; hKSR 2; hKSR2; Kinase suppressor of Ras 2; KSR 2; Ksr2; KSR2_HUMAN; anti-KSR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	KSR2 antibody detects endogenous levels of KSR2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	921
Applicable Applications for anti-KSR2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KSR2
Subcellular Location	Cytoplasm. Membrane.
Tissue Specificity	Mainly expressed in brain and kidney.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus**
Similarity	Pig (91%), Zebrafish (91%), Bovine (100%), Horse (91%), Sheep (91%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA321191 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

WB (Western Blot)
Western blot analysis of KSR2 expression in Mouse brain lysate

WB (Western Blot)
Western blot analysis on 293 cell lysate using KSR2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KSR2 antibody	Description: KSR2 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. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Interacts with MAP2K1, MAP3K8, MAPK, RAS and RAF. 2 isoforms of the human protein are produced by alternative splicing. 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). 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. Subunit Structure: Interacts with MAP2K1, forming a heterodimer that can dimerize to form a heterotetramer. Interacts with MAP3K8, MAPK, RAS and RAF. Interacts with BRAF; this increases the low intrinsic protein kinase activity of KSR2. Post-translational Modifications: Phosphorylated on Ser-474 by MARK3. Similarity: The protein kinase domain is predicted to be catalytically inactive and seems to have very low intrinsic kinase activity. This low kinase activity can be increased by interaction with BRAF. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167621456
NCBI GeneID	283455
NCBI Accession #	NP_775869.3
NCBI GenBank Nucleotide #	NM_173598.4
UniProt Accession #	Q6VAB6; Q3B828; Q8N775; A0PJT2
Molecular Weight	Observed: 108 kDa Predicted: 108 kDa
NCBI Official Full Name	kinase suppressor of Ras 2
NCBI Official Synonym Full Names	kinase suppressor of ras 2
NCBI Official Symbol	KSR2
NCBI Protein Information	kinase suppressor of Ras 2
UniProt Protein Name	Kinase suppressor of Ras 2
UniProt Gene Name	**KSR2**
UniProt Synonym Gene Names	hKSR2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/ksr2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321191