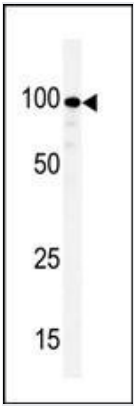
KSR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KSR, Polyclonal Antibody
Full Product Name	KSR, NT (Kinase Suppressor of Ras 1, KSR1, RSU2) (APC)
Product Gene Name	anti-KSR antibody
Product Synonym Names	Kinase Suppressor of Ras-1; BKSR1; dKsr; EK31; hb; Positive Ras Signaling Mediator Family Member; Suppressor of Activated let 60 Ras SUR3; Suppressor of Ras1 31; SR31
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human KSR1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	102.032
OMIM	601132
3D Structure	ModBase 3D Structure for Q8IVT5
Immunogen	Synthetic peptide selected from the N-terminal region of human KSR1 (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-KSR antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-KSR antibody	Western Blot (WB), FLISA
Application Notes for anti-KSR antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-KSR antibody	MBS6484559 is an antibody targeting KSR. Also known as KSR, NT (Kinase Suppressor of Ras 1, KSR1, RSU2) (APC). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-KSR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KSR antibody
Western blot analysis of anti-KSR1 Pab in T47D cell line lysate. KSR1(arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KSR. It may not necessarily be applicable to this product.

NCBI GI #	75677325
NCBI GeneID	8844
NCBI Accession #	NP_055053
UniProt Primary Accession #	Q8IVT5
UniProt Related Accession #	Q8IVT5
GenBank Nucleotide #	NP_055053.1
NCBI Official Full Name	kinase suppressor of Ras 1 isoform 1
NCBI Official Synonym Full Names	kinase suppressor of ras 1
NCBI Official Symbol	KSR1
NCBI Official Synonym Symbols	KSR; RSU2
UniProt Protein Name	Kinase suppressor of Ras 1
Protein Family	Connector enhancer of kinase suppressor of ras
UniProt Gene Name	KSR1
UniProt Synonym Gene Names	KSR
UniProt Entry Name	KSR1_HUMAN
NCBI Protein Information	kinase suppressor of Ras 1

UniProt Comments for KSR	KSR: a serine/threonine kinase of the Raf family with no demonstrated kinase activity. A location-regulated scaffolding protein connecting MEK to RAF. Promotes MEK and RAF phosphorylation and activity through assembly of an activated signaling complex. Interacts with RAF and MAPK/ERK, in a Ras-dependent manner. The binding of 14-3-3 proteins to phosphorylated KSR prevents the membrane localization. In unstimulated cells, the phosphorylated form is bound to a 14-3-3 protein and sequestered in the cytoplasm. Translocates from the cytoplasm to the cell periphery following TNF treatment. When Bad is available, ceramide signaling through the Ras/Raf cascade can lead to apoptosis. Three alternatively-spliced isoforms have been described. Protein type: Protein kinase, TKL; Protein kinase, Ser/Thr (non-receptor); Kinase, protein; TKL group; RAF family Chromosomal Location of Human Ortholog: 17q11.2 Cellular Component: endoplasmic reticulum membrane; membrane; endoplasmic reticulum Molecular Function: protein serine/threonine kinase activity; MAP-kinase scaffold activity; protein binding; mitogen-activated protein kinase kinase binding; metal ion binding; ATP binding; protein kinase activity Biological Process: positive regulation of MAPKKK cascade; Ras protein signal transduction; protein amino acid phosphorylation
Research Articles on KSR	**1.** Findings demonstrate a role for kinase suppressor of Ras 1 as a positive regulator of neurotensin secretion from human endocrine cells and indicate that this effect is mediated by the extracellular signal-regulated kinase 1 and 2 signaling pathway.
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