

**Ksr-1 (phospho Ser392) rabbit pAb****Cat#: orb764348 (Manual)**

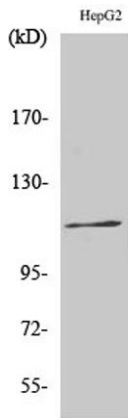
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Ksr-1 (phospho Ser392) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KSR around the phosphorylation site of Ser392. AA range:358-407
<b>Specificity</b>	Phospho-Ksr-1 (S392) Polyclonal Antibody detects endogenous levels of Ksr-1 protein only when phosphorylated at S392.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Kinase suppressor of Ras 1
<b>Gene Name</b>	KSR1
<b>Cellular localization</b>	Cytoplasm . Membrane ; Peripheral membrane protein . Cell membrane ; Peripheral membrane protein . Cell projection, ruffle membrane . Endoplasmic reticulum membrane . In unstimulated cells, where the phosphorylated form is bound to a 14-3-3 protein, sequestration in the cytoplasm occurs. Following growth factor treatment, the protein is free for membrane translocation, and it moves from the cytoplasm to the cell periphery. .

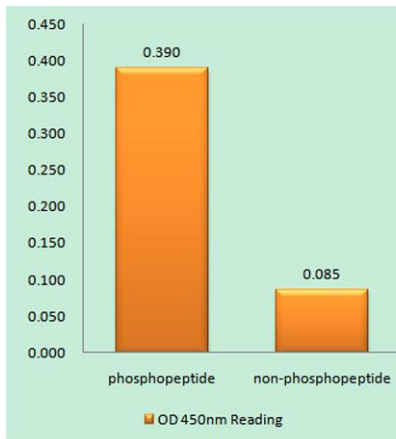
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	115kD
<b>Human Gene ID</b>	8844
<b>Human Swiss-Prot Number</b>	Q8IVT5
<b>Alternative Names</b>	KSR1; KSR; Kinase suppressor of Ras 1

**Background**

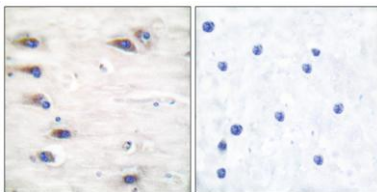
caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Location-regulated scaffolding protein connecting MEK to RAF. Promotes MEK and RAF phosphorylation and activity through assembly of an activated signaling complex. By itself, it has no demonstrated kinase activity.,PTM:Phosphorylated on Ser-309 and, to a higher extent, on Ser-404 by MARK3. Dephosphorylated on Ser-404 by PPP2CA. In resting cells, phosphorylated KSR1 is cytoplasmic and in stimulated cells, dephosphorylated KSR1 is membrane-associated.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 protein kinase domain.,subcellular location:In unstimulated cells, where the phosphorylated form is bound to a 14-3-3 protein, sequestration in the cytoplasm occurs. Following growth factor treatment, the protein is free for membrane translocation, and it moves from the cytoplasm to the cell periphery.,subunit:Interacts with HSPCA/HSP90, YWHAB/14-3-3, CDC37, MAP2K/MEK, MARK3, PPP2R1A and PPP2CA. Also interacts with RAF and MAPK/ERK, in a Ras-dependent manner (By similarity). The binding of 14-3-3 proteins to phosphorylated KSR prevents the membrane localization.,



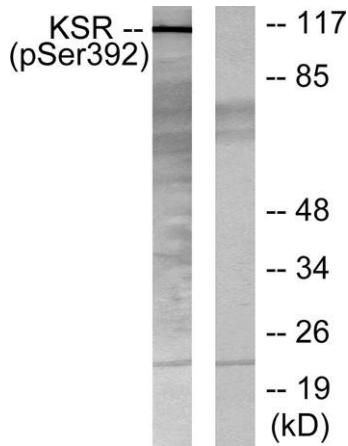
**Western Blot analysis of various cells using Phospho-Ksr-1 (S392) Polyclonal Antibody**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using KSR (Phospho-Ser392) Antibody**



**Immunohistochemistry analysis of paraffin-embedded human brain, using KSR (Phospho-Ser392) Antibody. The picture on the right is blocked with the phosphopeptide.**



**Western blot analysis of lysates from HepG2 cells, using KSR (Phospho-Ser392) Antibody. The lane on the right is blocked with the phospho peptide.**