

## Ksr-1 (phospho Ser392) Polyclonal Antibody

<b>Catalog No :</b>	YP0603
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Ksr-1
<b>Fields :</b>	>>Ras signaling pathway;>>C-type lectin receptor signaling pathway;>>Tuberculosis
<b>Gene Name :</b>	KSR1
<b>Protein Name :</b>	Kinase suppressor of Ras 1
<b>Human Gene Id :</b>	8844
<b>Human Swiss Prot No :</b>	Q8IVT5
<b>Mouse Gene Id :</b>	16706
<b>Mouse Swiss Prot No :</b>	Q61097
<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>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 115kD

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**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.,

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**Function :** 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, sequestr

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**Subcellular Location :** 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. .

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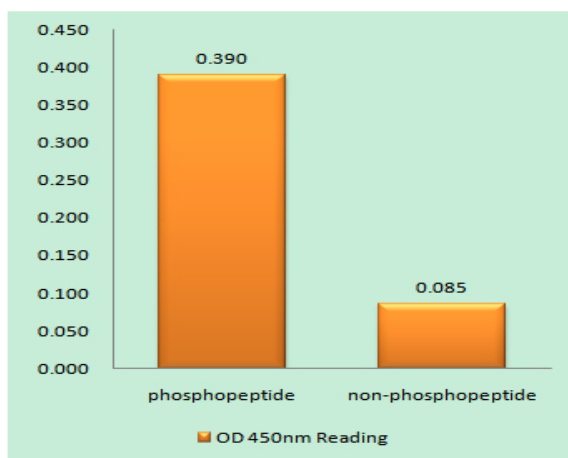
**Expression :** Brain,Epithelium,Platelet,Synovial membrane,

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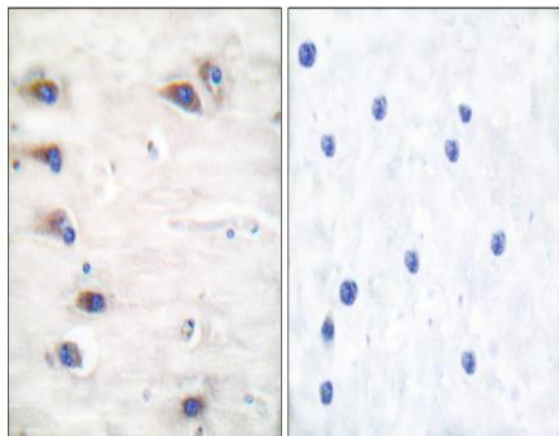
## Products Images



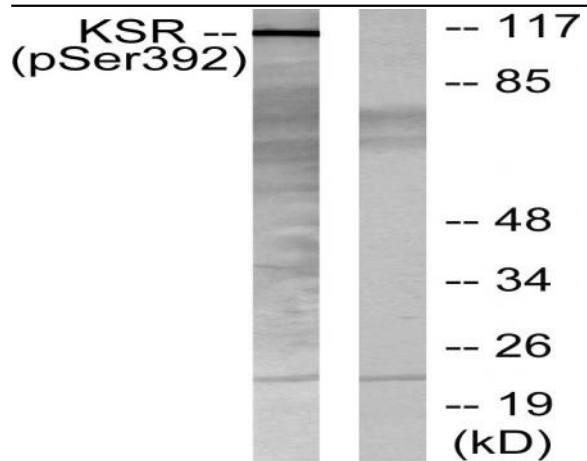
Western Blot analysis of various cells using Phospho-Ksr-1 (S392) Polyclonal Antibody



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 phospho peptide.



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