

Anti-KSR1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

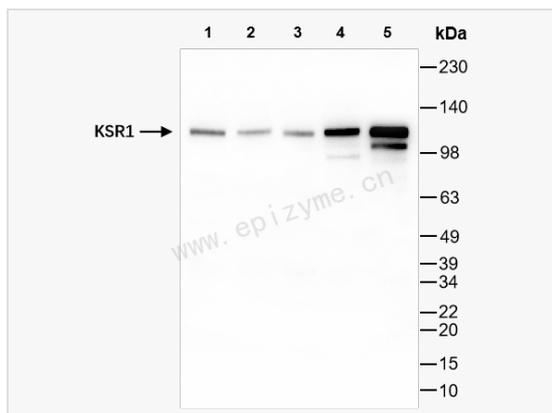
Catalog # R015633

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	24N34J95
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human KSR1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-KSR1 Rabbit mAb [24N34J95] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	BKSR 1; BKSRI; dKsr; EK 31; EK31; hb; Kinase suppressor of Ras 1; Kinase suppressor of ras; KSR 1; KSR; KSR1; KSR1_HUMAN; Positive Ras signaling mediator family member (86.4 kD); Positive Ras signaling mediator family member; RSU 2; RSU2; SR 31; SR31; Suppressor of activated let 60 Ras SUR3; Suppressor of Ras1 31.
Calculated MW	Calculated MW: 102 kDa; Observed MW: 120 kDa
Uniprot ID	Q8IVT5
Gene ID	8844
Background	Scaffolding protein that is part of a multiprotein signaling complex. Promotes phosphorylation of Raf family members and activation of downstream MAP kinases. Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP. Does not have kinase activity by itself.
Cellular Location	Cytoplasm. 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.



Western Blot - Anti-KSR1 Rabbit mAb [24N34J95]

All lanes: R015633 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

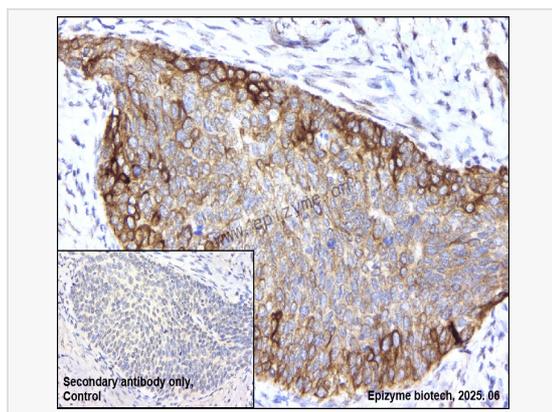
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 102 kDa

Observed band size: 120 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-KSR1 Rabbit mAb [24N34J95]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015633 at 1:200 dilution

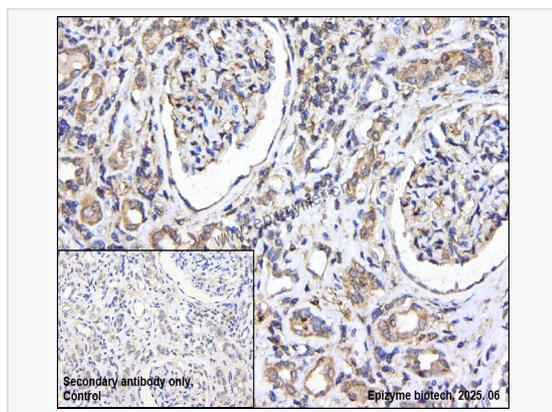
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-KSR1 Rabbit mAb [24N34J95]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015633 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.