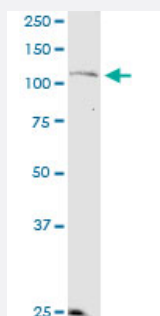


KSR2 monoclonal antibody (M08), clone 1G4

Catalog # H00283455-M08

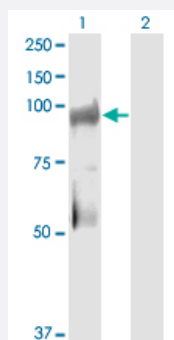
Size 100 ug

Applications



Western Blot (Cell lysate)

KSR2 monoclonal antibody (M08), clone 1G4. Western Blot analysis of KSR2 expression in A-431.

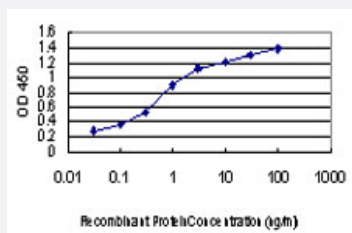


Western Blot (Transfected lysate)

Western Blot analysis of KSR2 expression in transfected 293T cell line by KSR2 monoclonal antibody (M08), clone 1G4.

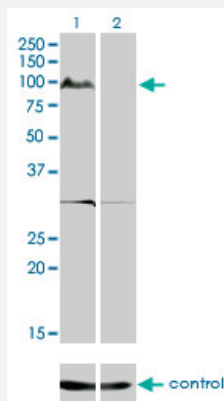
Lane 1: KSR2 transfected lysate (Predicted MW: 93.6 KDa).

Lane 2: Non-transfected lysate.



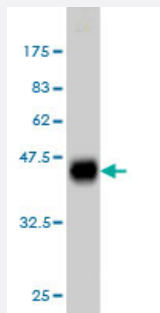
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KSR2 is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of KSR2 over-expressed 293 cell line, cotransfected with KSR2 Validated Chimera RNAi (Cat # H00283455-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with KSR2 monoclonal antibody (M08) clone 1G4 (Cat # H00283455-M08). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KSR2.
Immunogen	KSR2 (NP_775869, 411 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PAPPLPPSATPPSPLHPSPQCTRQQKNFNLPASHYYKYKQQFIFPDVVPVPETPTRAPQVILHPVT SNPILEGNPLLQIEVEPTSENEEV
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

KSR2 monoclonal antibody (M08), clone 1G4. Western Blot analysis of KSR2 expression in A-431.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of KSR2 expression in transfected 293T cell line by KSR2 monoclonal antibody (M08), clone 1G4.

Lane 1: KSR2 transfected lysate (Predicted MW: 93.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KSR2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of KSR2 over-expressed 293 cell line, cotransfected with KSR2 Validated Chimera RNAi (Cat # H00283455-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with KSR2 monoclonal antibody (M08) clone 1G4 (Cat # H00283455-M08). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — KSR2

Entrez GeneID	283455
GeneBank Accession#	NM_173598
Protein Accession#	NP_775869
Gene Name	KSR2

Gene Alias	FLJ25965
Gene Description	kinase suppressor of ras 2
Omim ID	610737
Gene Ontology	Hyperlink
Other Designations	kinase suppressor of Ras-2

Publication Reference

- [KSR2-14-3-3ζ complex serves as a biomarker and potential therapeutic target in sorafenib-resistant hepatocellular carcinoma.](#)

Chao Gao, Si-Wei Wang, Jia-Cheng Lu, Xiao-Qiang Chai, Yuan-Cheng Li, Peng-Fei Zhang, Xiao-Yong Huang, Jia-Bin Cai, Yi-Min Zheng, Xiao-Jun Guo, Guo-Ming Shi, Ai-Wu Ke, Jia Fan.

Biomarker Research 2022 Apr; 10(1):25.

Application: WB-Ce, WB-Ti, WB-Tr, Human, Hep3B, HepG2, HuH7 cells, Human liver, MHCC97H, PLC/PRF/5 cells

- [A novel antiproliferative PKCα-Ras-ERK signaling axis in intestinal epithelial cells.](#)

Navneet Kaur, Michelle A Lum, Robert E Lewis, Adrian R Black, Jennifer D Black.

The Journal of Biological Chemistry 2022 Jul; 298(7):102121.

Application: WB-Ce, WB-Ti, Human, Rat, IEC-18 cells, Rat brain

- [G protein-coupled Estrogen Receptor 1 \(GPER1\)/GPR30 Increases ERK1/2 Activity Through PDZ-dependent and -independent Mechanisms.](#)

Gonzalez de Valdivia E, Broselid S, Kahn R, Olde B, Leeb-Lundberg LMF.

Amino Acids 2017 Apr; 292(24):9932.

Application: WB-Tr, Human, HEK 293T cells

- [Kinase suppressor of Ras 2 \(KSR2\) regulates tumor cell transformation via AMPK.](#)

Fernandez MR, Henry MD, Lewis RE.

Molecular and Cellular Biology 2012 Sep; 32(18):3718.

Application: WB, Human, Mouse , HEK 293T cells, MEFs

- [KSR2 is an essential regulator of AMP kinase, energy expenditure, and insulin sensitivity.](#)

Costanzo-Garvey DL, Pfluger PT, Dougherty MK, Stock JL, Boehm M, Chaika O, Fernandez MR, Fisher K, Kortum RL, Hong EG, Jun JY, Ko HJ, Schreiner A, Volle DJ, Treece T, Swift AL, Winer M, Chen D, Wu M, Leon LR, Shaw AS, McNeish J, Kim JK, Morrison DK, Tscho.

Cell Metabolism 2009 Nov; 10(5):366.

Application: WB-Ti, WB-Tr, Human, Mouse, HEK 293T cells, Mouse brains, NG108-15 cells

Disease

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- [Diabetes Mellitus](#)
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- [Tobacco Use Disorder](#)