

# Product Datasheet

## KSR2 Antibody (1G4) - Azide and BSA Free H00283455-M08

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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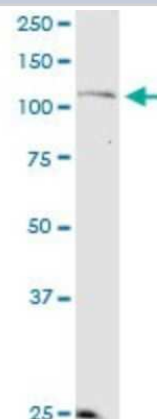
**H00283455-M08****KSR2 Antibody (1G4) - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1G4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse KSR2 Antibody (1G4) - Azide and BSA Free (H00283455-M08) is a monoclonal antibody validated for use in WB and ELISA. Anti-KSR2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	283455
<b>Gene Symbol</b>	KSR2
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	KSR2 - kinase suppressor of ras 2
<b>Immunogen</b>	KSR2 (NP_775869, 411 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PAPPLPPSATPPSPLHPSPQCTRQQKNFNLPAASHYYKYKQQFIFPDVVPVPET PTRAPQVILHPVTSNPILEGNPLLQIEVEPTSENEEV
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Knockdown Validated
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for RNAi validation and ELISA.

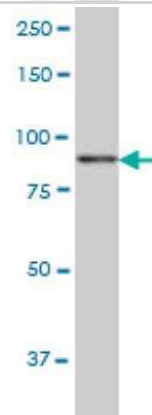


## Images

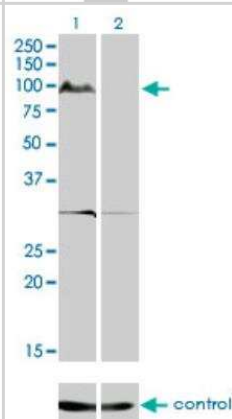
Western Blot: KSR2 Antibody (1G4) [H00283455-M08] - Analysis of KSR2 expression in A-431.



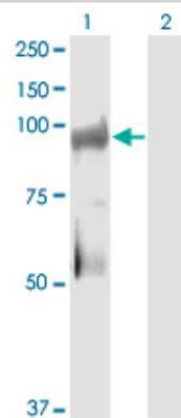
Western Blot: KSR2 Antibody (1G4) [H00283455-M08] - Western Blot analysis of KSR2 expression in K-562 ( Cat # L009V1 ).



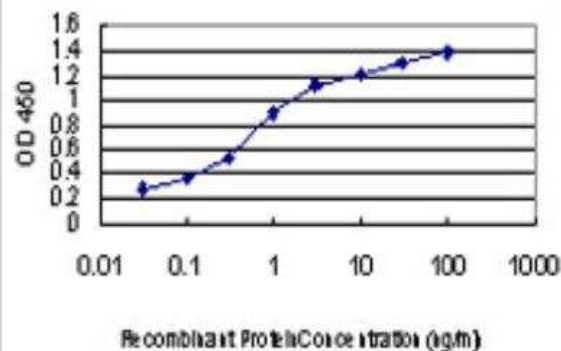
Western Blot: KSR2 Antibody (1G4) [H00283455-M08] - Western blot analysis of KSR2 over-expressed 293 cell line, cotransfected with KSR2 Validated Chimera RNAi or non-transfected control. Blot probed with H00283455-M08. GAPDH (36.1 kDa) used as loading control.



Western Blot: KSR2 Antibody (1G4) [H00283455-M08] - 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.



ELISA: KSR2 Antibody (1G4) [H00283455-M08] - Detection limit for recombinant GST tagged KSR2 is approximately 0.03ng/ml as a capture antibody.



## Publications

Chao G, Si-Wei W, Jia-Cheng L et al. KSR2-14-3-3? complex serves as a biomarker and potential therapeutic target in sorafenib-resistant hepatocellular carcinoma. *Biomark Res.* 2022-04-25 [PMID: 35468812]

Gonzalez de Valdivia E, Broselid S, Kahn R et al. G protein-coupled Estrogen Receptor 1 (GPER1)/GPR30 Increases ERK1/2 Activity Through PDZ-dependent and -independent Mechanisms. *J Biol Chem* 2017-04-27 [PMID: 28450397]

Fernandez MR, Henry MD, Lewis RE. Kinase Suppressor of Ras-2 (KSR2) Regulates Tumor Cell Transformation Via AMPK. *Mol Cell Biol.* 2012-07-16 [PMID: 22801368]

Costanzo-Garvey DL, Pfluger PT, Dougherty MK et al. KSR2 is an essential regulator of AMP kinase, energy expenditure, and insulin sensitivity. *Cell Metab* 10(5):366-78. 2009-11-01 [PMID: 19883615]





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### **Products Related to H00283455-M08**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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