

# Product Datasheet

## RhoJ Antibody (1E4) - Azide and BSA Free H00057381-M01

Unit Size: 0.1 mg

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

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### Publications: 6

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**H00057381-M01**

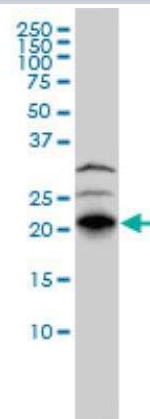
RhoJ Antibody (1E4) - Azide and BSA Free

Product Information	
<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>	1E4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Lambda
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse RhoJ Antibody (1E4) - Azide and BSA Free (H00057381-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-RhoJ Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	57381
<b>Gene Symbol</b>	RHOJ
<b>Species</b>	Human
<b>Reactivity Notes</b>	Other species not tested.
<b>Specificity/Sensitivity</b>	RHOJ - ras homolog gene family, member J
<b>Immunogen</b>	RHOJ (AAH62575, 1 a.a. ~ 214 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MNCKEGTDSSCGCRGNDEKKMLKCVVVG DGAVGKTCLLSYANDAFPEEYV PTVFDHYAVTVTVGGKQHLLGLYDTAGQEDYNQLRPLSYPN TDVFLICFSVVN PASYHNVQEEWVPELKDCMPHVPYVLIGTQIDLRDDPKTLARLLYMKEKPLTYE HGVKLAKAIGAQCYLECSALTQKGLKAVFDEAILTIFHPKKKKKRCSEGHSCCSI I
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Functional
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

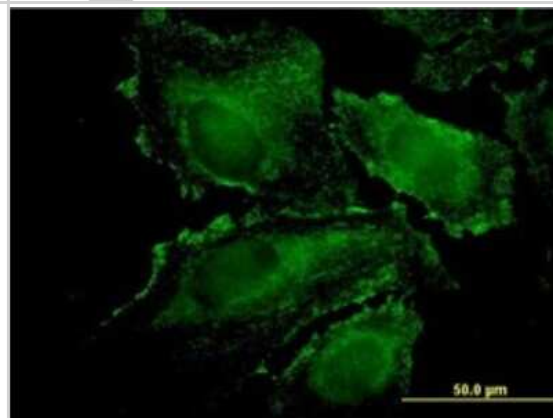


## Images

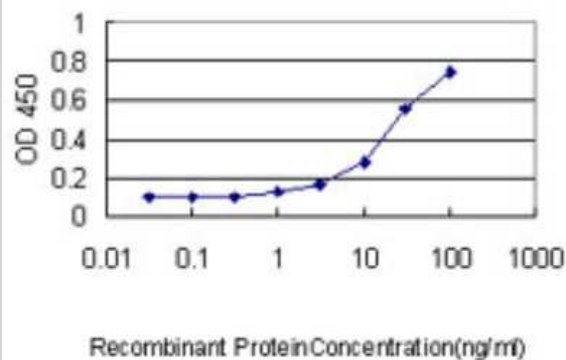
Western Blot: RhoJ Antibody (1E4) [H00057381-M01] - RHOJ expression in HepG2 ( Cat # L019V1 ).



Immunocytochemistry/Immunofluorescence: RhoJ Antibody (1E4) [H00057381-M01] - Analysis of monoclonal antibody to RHOJ on HeLa cell. Antibody concentration 60 ug/ml.



ELISA: RhoJ Antibody (1E4) [H00057381-M01] - Detection limit for recombinant GST tagged RHOJ is approximately 1ng/ml as a capture antibody.



## Publications

Sohail J, Jose O, Linh V et al. Structure-based design of CDC42 effector interaction inhibitors for the treatment of cancer. *Cell Rep.* 2022-04-05 [PMID: 35385746]

Mei W, Chengfei Z, Qian Z et al. RhoJ facilitates angiogenesis in glioblastoma via JNK/VEGFR2 mediated activation of PAK and ERK signaling pathways. *Int J Biol Sci.* 2022-01-01 [PMID: 35173528]

Liu S, Li H, Xia L et al. Anti-RhoJ antibody functionalized Au@I nanoparticles as CT-guided tumor vessel-targeting radiosensitizers in patient-derived tumor xenograft model. *Biomaterials* 2017-06-23 [PMID: 28666098]

Kim C, Yang H, Park I et al. Rho GTPase RhoJ is Associated with Gastric Cancer Progression and Metastasis. *Journal of Cancer* 2016-07-08 [PMID: 27471571]

Fukushima Y, Okada M, Kataoka H et al. Sema3E-PlexinD1 signaling selectively suppresses disoriented angiogenesis in ischemic retinopathy in mice. *J Clin Invest.* 2011-04-18 [PMID: 21505259]

Ho H, Aruri J, Kapadia R et al. RhoJ and Pak Kinases Regulate Melanoma Chemoresistance by Suppressing Pathways that Sense DNA Damage. *Cancer Res.* 2012-09-12 [PMID: 22971344]



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### **Products Related to H00057381-M01**

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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]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)

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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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