

Datasheet

ACTB monoclonal antibody (M01), clone 3G4-F9

Catalog Number: H00000060-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant ACTB.

Clone Name: 3G4-F9

Immunogen: ACTB (AAH01301, 1 a.a. ~ 375 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

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MDDDIAALVVDNGSGMCKAGFAGDDAPRAVSPSIVGR  
PRHQGVMVGMGQKDSYVGEAQSQRGILTLYPIEH  
GIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPL  
NPKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRT  
TGIVMDSGDGVTHTVPIYEGYALPHAILRLDLGRDLT  
DYLKILTERGYSFTTTAEREIVRDIKEKLCYVALDFEQ  
EMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQ  
PSFLGMESCGIHETTFFNSIMKCDVDIRKDLANTVLSG  
GTTMPGIADRMQKEITALAPSTMKIKIAPPERRYSVW  
IGGSILASLSTFQQMWISKQEYDESGPSIVHRKCF
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Host: Mouse

Reactivity: Human, Mouse

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 60

Gene Symbol: ACTB

Gene Alias: PS1TP5BP1

Gene Summary: This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq]

References:

1. Multiple chimeric antigen receptors successfully target chondroitin sulfate proteoglycan 4 in several different cancer histologies and cancer stem cells. Beard RE, Zheng Z, Lagisetty KH, Burns WR, Tran E, Hewitt SM, Abate-Daga D, Rosati SF, Fine HA, Ferrone S, Rosenberg SA, Morgan RA *J Immunother Cancer*. 2014 Aug 19;2:25. doi: 10.1186/2051-1426-2-25. eCollection 2014.
2. A microRNA-135a/b binding polymorphism in CD133 confers decreased risk and favorable prognosis of lung cancer in Chinese by reducing CD133 expression. Cheng M, Yang L, Yang R, Yang X, Deng J, Yu B, Huang D, Zhang S, Wang H, Qiu F, Zhou Y, Lu J *Carcinogenesis*. 2013 May 28.
3. Systematic proteomic analysis of human hepatocellular carcinoma cells reveals molecular pathways and networks involved in metastasis. Yu Y, Shen H, Yu H, Zhong F, Zhang Y, Zhang C, Zhao J, Li H, Chen J, Liu Y, Yang P. *Mol Biosyst*. 2011 Jun;7(6):1908-16. Epub 2011 Apr 6.