

Product Datasheet

PIK3R4 Antibody (1G12) - Azide and BSA Free H00030849-M03

Unit Size: 0.1 mg

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

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H00030849-M03

PIK3R4 Antibody (1G12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G12
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	30849
Gene Symbol	PIK3R4
Species	Human, Mouse
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	PIK3R4 - phosphoinositide-3-kinase, regulatory subunit 4, p150
Immunogen	PIK3R4 (NP_055417, 1259 a.a. ~ 1358 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. AGSDMKIRFWDLAYPERSYVVAGSTSSPSVSYYRKIIIEGTEVVQEIQNKQKVGP SDDTPRRGPESLPVGHHDITDVATFQTTQGFIVTASRDGIVKVWK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactive against cell lysate, transfected lysate and recombinant protein for western blot. It has also been used for ELISA.

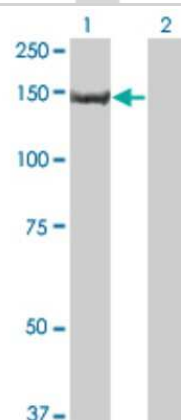


Images

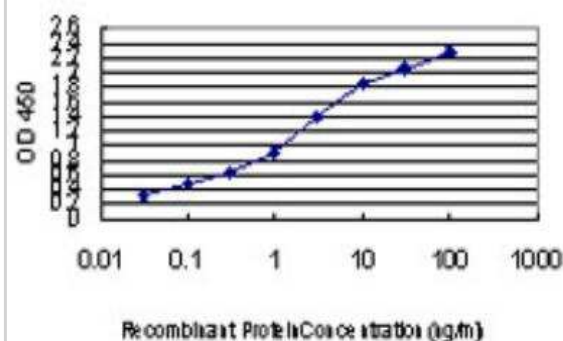
Western Blot: PIK3R4 Antibody (1G12) [H00030849-M03] - Analysis of PIK3R4 expression in HeLa (Cat # L013V1).



Western Blot: PIK3R4 Antibody (1G12) [H00030849-M03] - Analysis of PIK3R4 expression in transfected 293T cell line by PIK3R4 monoclonal antibody (M03), clone 1G12. Lane 1: PIK3R4 transfected lysate (153.103 kDa). Lane 2: Non-transfected lysate.



ELISA: PIK3R4 Antibody (1G12) [H00030849-M03] - Detection limit for recombinant GST tagged PIK3R4 is approximately 0.03ng/ml as a capture antibody.



Publications

T Yamamuro, S Nakamura, K Yanagawa, A Tokumura, T Kawabata, A Fukuhara, H Teranishi, M Hamasaki, I Shimomura, T Yoshimori Loss of RUBCN/rubicon in adipocytes mediates the upregulation of autophagy to promote the fasting response Autophagy, 2022-03-14;0(0):1-11. 2022-03-14 [PMID: 35282767]

Matsunaga K, Morita E, Saitoh T et al. Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. J Cell Biol. 2010-08-16 [PMID: 20713597]

Nemazany I, Montagnac G, Russell RC et al. Class III PI3K regulates organismal glucose homeostasis by providing negative feedback on hepatic insulin signalling. Nat Commun. 2015-09-21 [PMID: 26387534]



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Products Related to H00030849-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-82451PEP	PIK3R4 Recombinant Protein Antigen

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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