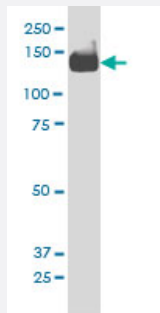


PIK3R4 monoclonal antibody (M03), clone 1G12

Catalog # H00030849-M03

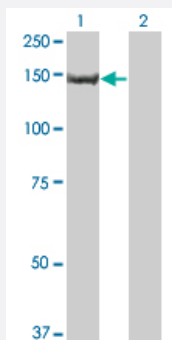
Size 100 ug

Applications



Western Blot (Cell lysate)

PIK3R4 monoclonal antibody (M03), clone 1G12 Western Blot analysis of PIK3R4 expression in HeLa (Cat # L013V1).

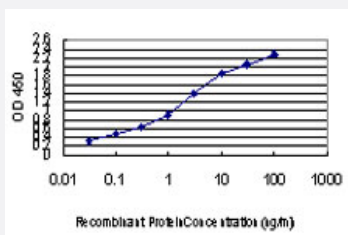


Western Blot (Transfected lysate)

Western Blot analysis of PIK3R4 expression in transfected 293T cell line by PIK3R4 monoclonal antibody (M03), clone 1G12.

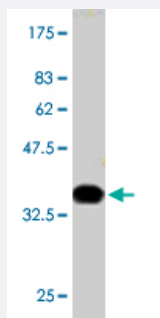
Lane 1: PIK3R4 transfected lysate(153.103 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIK3R4 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PIK3R4.
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.
Sequence	AGSDMKIRFWDLAYPERSYVVGSTSSPSVSYRKIIIEGTEVVQEIQNKQKVGPSDDTPRRGPES LPVGHHDIIITDVATFQTTQGFMTASRDGIVKVWK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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)

PIK3R4 monoclonal antibody (M03), clone 1G12 Western Blot analysis of PIK3R4 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot 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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIK3R4 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PIK3R4

Entrez GeneID	30849
GeneBank Accession#	NM_014602
Protein Accession#	NP_055417
Gene Name	PIK3R4
Gene Alias	MGC102700, VPS15, p150
Gene Description	phosphoinositide-3-kinase, regulatory subunit 4
Omim ID	602610
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	phosphatidylinositol 3-kinase-associated p150 phosphoinositide-3-kinase, regulatory subunit 4, p150

Publication Reference

- [Loss of RUBCN/rubicon in adipocytes mediates the upregulation of autophagy to promote the fasting response.](#)

Tadashi Yamamuro, Shuhei Nakamura, Kyosuke Yanagawa, Ayaka Tokumura, Tsuyoshi Kawabata, Atsunori Fukuhara, Hirofumi Teranishi, Maho Hamasaki, Ichihiro Shimomura, Tamotsu Yoshimori.

Autophagy 2022 Mar; 1:11.

Application: WB-Ce, Human, Mouse, 3T3-L1, Hela cells

- [Class III PI3K regulates organismal glucose homeostasis by providing negative feedback on hepatic insulin signalling.](#)

Nemazany I, Montagnac G, Russell RC, Morzyglod L, Burnol AF, Guan KL, Pende M, Panasyuk G.

Nature Communications 2015 Sep; 6:8283.

Application: WB-Ce, Mouse, Hepa1.6 cells, hepatocytes

- [Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L.](#)

Matsunaga K, Morita E, Saitoh T, Akira S, Ktistakis NT, Izumi T, Noda T, Yoshimori T.

The Journal of Cell Biology 2010 Aug; 190(4):511.

Application: WB-Tr, Human, HEK 293 cells

Pathway

- [Regulation of autophagy](#)