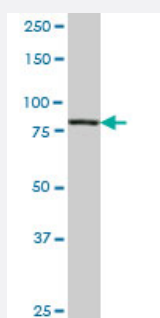


PIK3R1 monoclonal antibody (M03), clone 3C11

Catalog # H00005295-M03

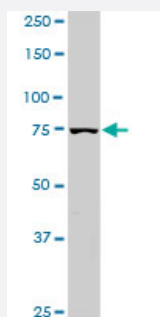
Size 100 ug

Applications



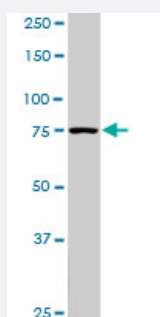
Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in HeLa (Cat # L013V1).



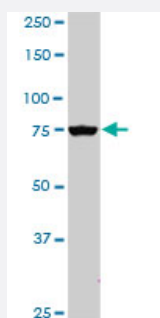
Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in PC-12 (Cat # L012V1).



Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in NIH/3T3 (Cat # L018V1).

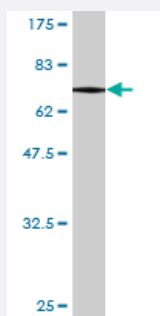
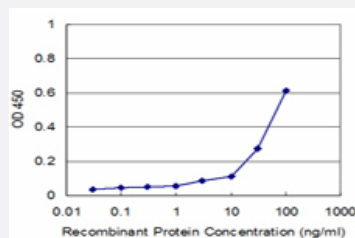


Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in Raw 264.7 (Cat # L024V1).

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIK3R1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (75.68 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PIK3R1.
Immunogen	PIK3R1 (AAH30815, 1 a.a. ~ 454 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MYNTVWNMEDLDLEYAKTDINCGTDLMFYIEMDPPALPPKPPKPTTVANNGMNNNMSLQDAEWY WGDISREEVNEKLRDADGTFLVRDASTKMHGDYTLTLRKGGNNKLIKIFHRDGKYGFSDPLTFSS VVELINHYRNESLAQYNPKLDVKLLYPVSKYQQDQVVKEDNIEAVGKKLHKYNTQFQEKSREYDRL YEEYTRTSQEIQMKRTAIEAFNETIKIFEEQCQTQERYSKYEKFKREGNEKEIQRIMHNYDKLKSRI SEIIDSRRRLEEDLKKQAAEYREIDKRMNSIKPDLIQLRKTRDQYLMWLTQKGVQRKKLNEWLGNE NTEDQYSLVEDDEDLPHHDEKTWNVGSSNRNKAENLLRGKRDGTFLVRESSKQGCYACSVVVD GEVKHCVINKTATGYGFAEPYNLYSSLKELVLHYQHTSLVQHNDNLNVTLAYPVYAAQRR
Host	Mouse
Reactivity	Human, Mouse, Rat
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (75.68 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)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PIK3R1 monoclonal antibody (M03), clone 3C11. Western Blot analysis of PIK3R1 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIK3R1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PIK3R1

Entrez GeneID	5295
---------------	----------------------

GeneBank Accession#	BC030815
---------------------	--------------------------

Protein Accession#	AAH30815
--------------------	--------------------------

Gene Name	PIK3R1
-----------	--------

Gene Alias	GRB1, p85, p85-ALPHA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
Omim ID	171833
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85 , 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha) phosphatidylinositol 3-kinase, regulatory, 1 phosphatidylinositol 3-kinase-associated p-85 alpha phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha) phosphoinositide-3-ki

Pathway

- [Acute myeloid leukemia](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)

- [Leukocyte transendothelial migration](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [VEGF signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Obesity](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Periodontitis](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)