

# Product Datasheet

## PI 3-Kinase p85 alpha Antibody (3A10) - Azide and BSA Free H00005295-M01

Unit Size: 0.1 mg

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

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**H00005295-M01**

PI 3-Kinase p85 alpha Antibody (3A10) - 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	3A10
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Target Molecular Weight	84 kDa

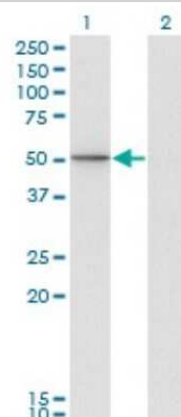
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5295
Gene Symbol	PIK3R1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	PI 3-Kinase p85 alpha (AAH30815, 1 a.a. ~ 454 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MYNTVWNMEDLDLEYAKTDINCGTDLMFYIEMDPPALPPKPPKPTTVANNGMN NNMSLQDAEWYWGDISREEVNEKLRDADGTFLVRDASTKMHGDYTLTLRKG GNNKLIKIFHRDGKYGFSPLTFSSVELINHYRNESLAQYNPKLDVKLLYPVSK YQQDQVVKEDNIEAVGKKLHKYNTQFQEKSSREYDRLYEEYTRTSQEIQMKRTA IEAFNETIKIFEEQCQTQERYKEYIEKFKREGNEKEIQRIMHNYDKLKSRISEIID SRRRLEEDLKKQAAEYREIDKRMNSIKPDLIQLRKTRDQYLMWLTQKGVRQKK LNEWLGNENTEDQYSLVEDDEDLPHHDEKTWNVGSSNRNKAENLLRGKRDG TFLVRESSKQGCYACSVVDGEVKHCVINKTATGYGFAEPYNLYSSLKELVLH YQHTSLVQHNDLNVTLAYPVYAQQRR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation, Proximity Ligation Assay, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunoprecipitation, Proximity Ligation Assay, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

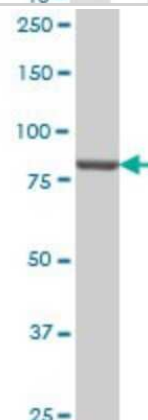


## Images

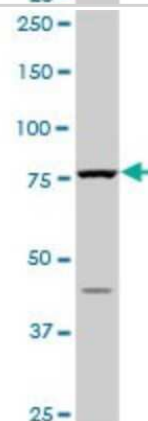
Western Blot: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01]  
- Analysis of PIK3R1 expression in transfected 293T cell line by PIK3R1 monoclonal antibody (M01), clone 3A10. Lane 1: PIK3R1 transfected lysate (Predicted MW: 50 KDa). Lane 2: Non-transfected lysate.



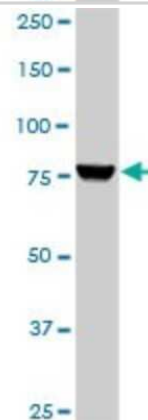
Western Blot: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01]  
- PIK3R1 monoclonal antibody (M01), clone 3A10 Analysis of PIK3R1 expression in HeLa.



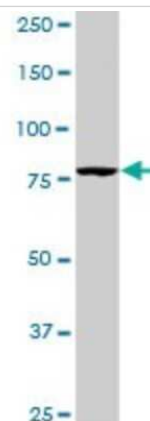
Western Blot: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01]  
- PIK3R1 monoclonal antibody (M01), clone 3A10. Analysis of PIK3R1 expression in PC-12.



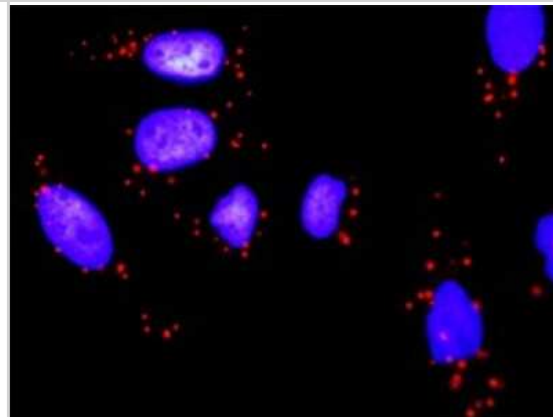
Western Blot: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01]  
- PIK3R1 monoclonal antibody (M01), clone 3A10. Analysis of PIK3R1 expression in Raw 264.7.



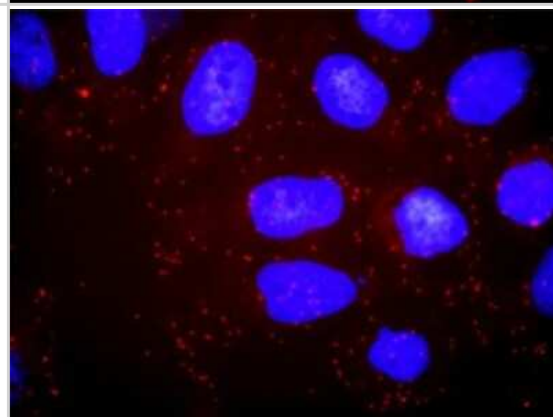
Western Blot: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - PIK3R1 monoclonal antibody (M01), clone 3A10. Analysis of PIK3R1 expression in NIH/3T3.



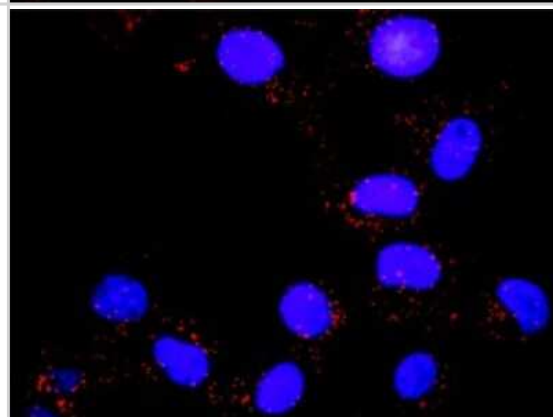
Proximity Ligation Assay: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - Analysis of protein-protein interactions between EGFR and PIK3R1. HeLa cells were stained with anti-EGFR rabbit purified polyclonal 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



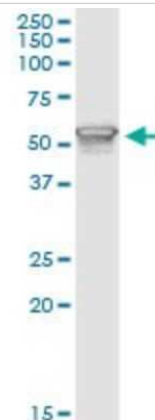
Proximity Ligation Assay: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - Analysis of protein-protein interactions between FLT1 and PIK3R1. Huh7 cells were stained with anti-FLT1 rabbit purified polyclonal 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



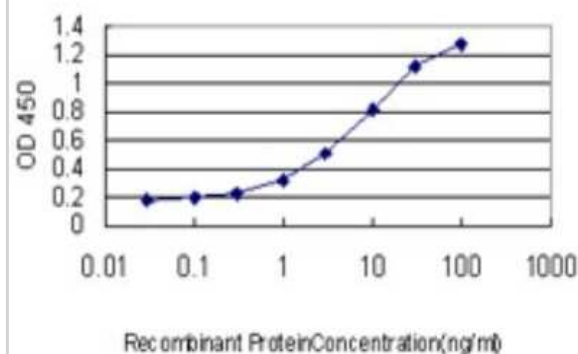
Proximity Ligation Assay: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - Analysis of protein-protein interactions between CRKL and PIK3R1. Mahlavu cells were stained with anti-CRKL rabbit purified polyclonal 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunoprecipitation: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - Analysis of PIK3R1 transfected lysate using anti-PIK3R1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PIK3R1 monoclonal antibody.



Sandwich ELISA: PI 3-Kinase p85 alpha Antibody (3A10) [H00005295-M01] - Detection limit for recombinant GST tagged PIK3R1 is approximately 0.1ng/ml as a capture antibody.



## Publications

Liu CH, Chen TC, Chau GY et al. An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma. Mol Cell Proteomics 2013-02-08 [PMID: 23397142]



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### **Products Related to H00005295-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005295-P01-10ug	Recombinant Human PI 3-Kinase p85 alpha GST (N-Term) Protein

### **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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