

# Product Datasheet

## PIK3R4 Antibody (1B5) - Azide and BSA Free H00030849-M02

Unit Size: 0.1 mg

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

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**H00030849-M02**

PIK3R4 Antibody (1B5) - 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	1B5
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

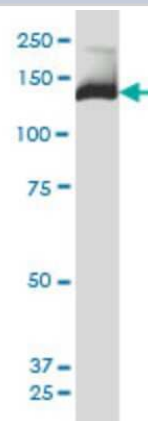
Product Description	
Description	Novus Biologicals Mouse PIK3R4 Antibody (1B5) - Azide and BSA Free (H00030849-M02) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-PIK3R4 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	30849
Gene Symbol	PIK3R4
Species	Human, Mouse, Monkey
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. AGSDMKIRFWDLAYPERSYVVAGSTSSPSVSYRKIIEGTEVVQEIQNKQKVGPSDDTPRRGPESLPVGHHDITDVATFQTTQGFIVTASRDGIVKVWK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

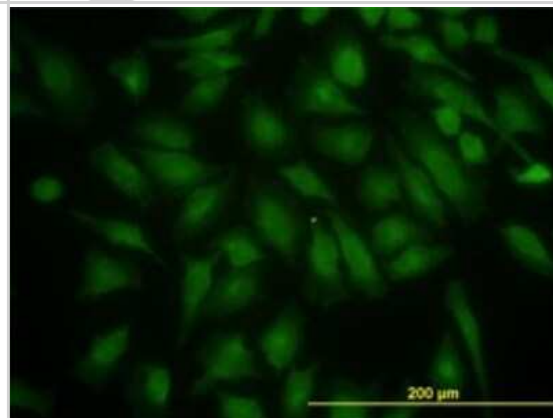


## Images

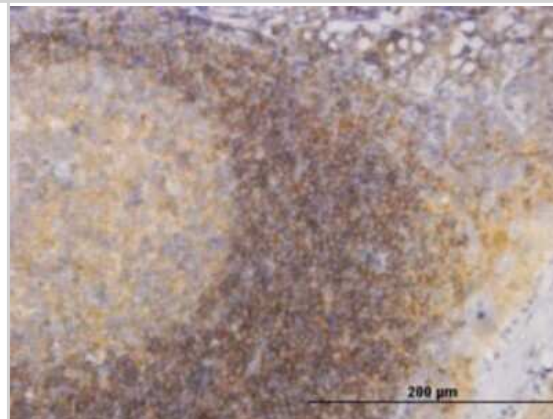
Western Blot: PIK3R4 Antibody (1B5) [H00030849-M02] - PIK3R4 monoclonal antibody (M02), clone 1B5 Analysis of PIK3R4 expression in HeLa.



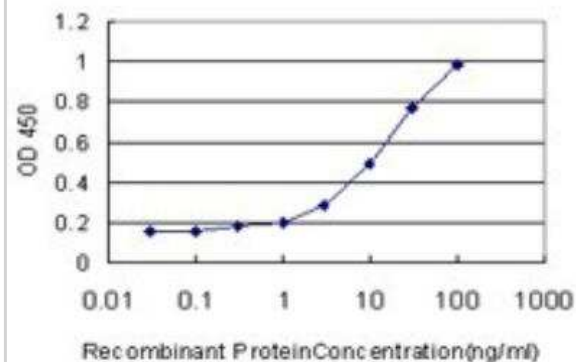
Immunocytochemistry/Immunofluorescence: PIK3R4 Antibody (1B5) [H00030849-M02] - Analysis of monoclonal antibody to PIK3R4 on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: PIK3R4 Antibody (1B5) [H00030849-M02] - Analysis of monoclonal antibody to PIK3R4 on formalin-fixed paraffin-embedded human tonsil. Antibody concentration 0.6 ug/ml.



ELISA: PIK3R4 Antibody (1B5) [H00030849-M02] - Detection limit for recombinant GST tagged PIK3R4 is approximately 0.3ng/ml as a capture antibody.



## Publications

Stoetzel C, Bar S, De Craene JO et al. A mutation in VPS15 (PIK3R4) causes a ciliopathy and affects IFT20 release from the cis-Golgi. *Nat Commun.* 2016-11-24 [PMID: 27882921]

Miranda AM, Lasiecka ZM, Xu Y et al. Neuronal lysosomal dysfunction releases exosomes harboring APP C-terminal fragments and unique lipid signatures. *Nat Commun* 2018-01-18 [PMID: 29348617]

Nascimbeni AC, Fanin M, Angelini C, Sandri M. Autophagy dysregulation in Danon disease. *Cell Death Dis* 2017-01-19 [PMID: 28102838]

Devereaux K. Regulation of Mammalian Autophagy by Class II and III PI 3-Kinases through PI3P Synthesis. *PLoS One.* 2013-10-03 [PMID: 24098492]

Hirsch DS, Shen Y, Dokmanovic M et al. Insulin activation of vacuolar protein sorting 34 mediates localized phosphatidylinositol 3-phosphate production at lamellipodia and activation of mTOR/S6K1. *Cell Signal.* 2014-02-27 [PMID: 24582588]





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### **Products Related to H00030849-M02**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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### **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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