

# Product Datasheet

## PIK3R4 Antibody NBP1-30463

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP1-30463****PIK3R4 Antibody**

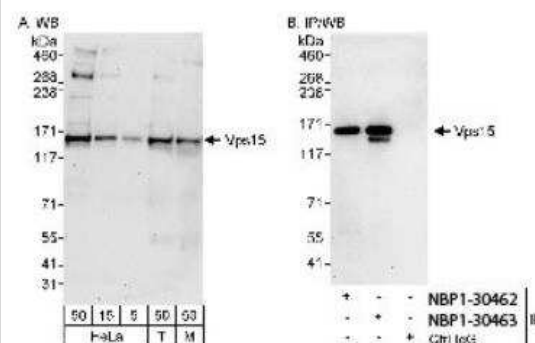
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	153 kDa

Product Description	
Host	Rabbit
Gene ID	30849
Gene Symbol	PIK3R4
Species	Human, Mouse, Rat, Zebrafish
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 25961502). Zebrafish reactivity reported in scientific literature (PMID: 27882921).
Immunogen	The immunogen for this product maps to a region between residue 1300 and 1358 of human vacuolar protein sorting 15 using the numbering given in entry NP_055417.1 (GeneID 30849).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID 24089209), Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

**Images**

Western Blot: PIK3R4 Antibody [NBP1-30463] - Whole cell lysate from HeLa, 293T and mouse NIH3T3 cells. Vps15 was also immunoprecipitated by rabbit anti-Vps15 antibody NBP1-30462.



## Publications

- Meena N, Ralston E, Raben N, Puertollano R Enzyme Replacement Therapy Can Reverse Pathogenic Cascade in Pompe Disease *Mol Ther Methods Clin Dev* 2020-07-17 [PMID: 32671132]
- Bork T, Liang W, Kretz O et al. BECLIN1 Is Essential for Podocyte Secretory Pathways Mediating VEGF Secretion and Podocyte-Endothelial Crosstalk *International journal of molecular sciences* 2022-03-30 [PMID: 35409185]
- Mercer TJ, Ohashi Y, Boeing S et al. Phosphoproteomic identification of ULK substrates reveals VPS15-dependent ULK/VPS34 interplay in the regulation of autophagy *The EMBO journal* 2021-06-14 [PMID: 34121209]
- Wang R, Simoneau CR, Kulsuptrakul J et al. Genetic Screens Identify Host Factors for SARS-CoV-2 and Common Cold Coronaviruses *Cell* 2020-12-09 [PMID: 33333024] (WB, Human)
- Franco-Iborra S, Plaza-Zabala A, Montpeyo M et al. Mutant HTT (huntingtin) impairs mitophagy in a cellular model of Huntington disease *Autophagy* 2020-02-24 [PMID: 32093570]
- Kaushik S, Cuervo AM Degradation of lipid droplet-associated proteins by chaperone-mediated autophagy facilitates lipolysis *Nat Cell Biol.* 2015-05-10 [PMID: 25961502] (ICC/IF, WB, Rat, Mouse)
- Martinez-Vicente M, Franco-Iborra S, Plaza-Zabala A et al. Impairment of neuronal mitophagy by mutant huntingtin *bioRxiv* 2018-05-24
- Gstrein T, Edwards A, Pristoupilova A et al. Mutations in Vps15 perturb neuronal migration in mice and are associated with neurodevelopmental disease in humans. *Nat. Neurosci.* 2018-02-01 [PMID: 29311744] (WB, Human)
- Liu Y, Hu M, Luo D et al. Class III PI3K Positively Regulates Platelet Activation and Thrombosis via PI(3)P-Directed Function of NADPH Oxidase *Arterioscler. Thromb. Vasc. Biol.* 2017-09-07 [PMID: 28882875] (Mouse)
- 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] (WB, Zebrafish)
- Bejarano E, Yuste A, Patel B et al. Connexins modulate autophagosome biogenesis. *Nat. Cell Biol.* 2014-04-06 [PMID: 24705551] (WB, IP, Mouse)
- Pampliega O, Orhon I, Patel B et al. Functional interaction between autophagy and ciliogenesis. *Nature.* 2013-10-10 [PMID: 24089209] (ICC/IF, Mouse)





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### **Products Related to NBP1-30463**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38276PEP	PIK3R4 Recombinant Protein Antigen

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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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