

# Product Datasheet

## VPS41 Antibody NB100-2425

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NB100-2425****VPS41 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Target Molecular Weight</b>	99 kDa
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	27072
<b>Gene Symbol</b>	VPS41
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognise both reported isoforms (NP_055211.2 and NP_542198.2)
<b>Immunogen</b>	Peptide with sequence C-DHLKKDSQNKTLK corresponding to internal region according to NP_055211.2, NP_542198.2.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 - 6 ug/mL, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	WB: Preliminary experiments gave bands at approx. 48 kDa band and 28 kDa band in human duodenum, kidney and placenta lysates after 1 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 98.5 kDa band according to NP_055211.1 and 100 kDa band according to NP_542198.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). IHC-P: Human kidney shows staining of collective tubules.

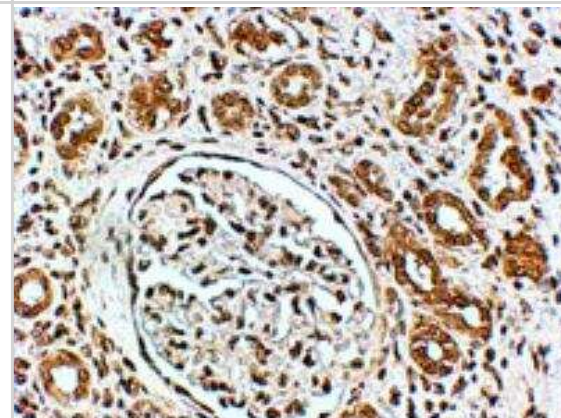


## Images

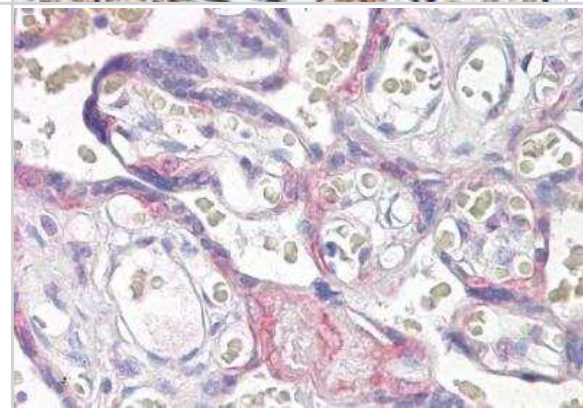
Immunohistochemistry-Paraffin: VPS41 Antibody [NB100-2425] - Staining of paraffin embedded Human Prostate. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: VPS41 Antibody [NB100-2425] - Staining of paraffin embedded Human Kidney. Antibody at 4 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining. Similar results were obtained after antigen retrieval at pH9.



Immunohistochemistry-Paraffin: VPS41 Antibody [NB100-2425] - Staining of paraffin embedded Human Placenta. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

McVey Ward D, Radisky D, Scullion MA et al. hVPS41 is expressed in multiple isoforms and can associate with vesicles through a RING-H2 finger motif. Exp Cell Res 2001-07-01 [PMID: 11412045]

Thi EP, Lambertz U, Reiner NE. Class IA Phosphatidylinositol 3-Kinase p110alpha Regulates Phagosome Maturation PLoS One 2012-01-01 [PMID: 22928013] (WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-2425**

NBL1-17751	VPS41 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **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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