

Product Datasheet

VPS41 Antibody NB100-2425

Unit Size: 0.1 mg

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

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Publications: 2

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NB100-2425

VPS41 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	99 kDa

Product Description	
Description	Novus Biologicals Goat VPS41 Antibody (NB100-2425) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-VPS41 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	27072
Gene Symbol	VPS41
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_055211.2 and NP_542198.2)
Immunogen	Peptide with sequence C-DHLKKDSQNKTLK corresponding to internal region according to NP_055211.2, NP_542198.2.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 - 6 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	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.

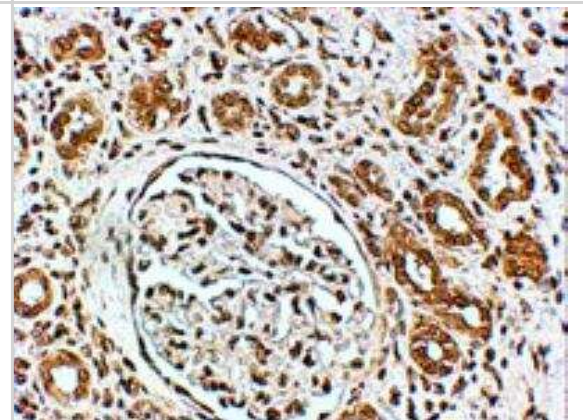


Images

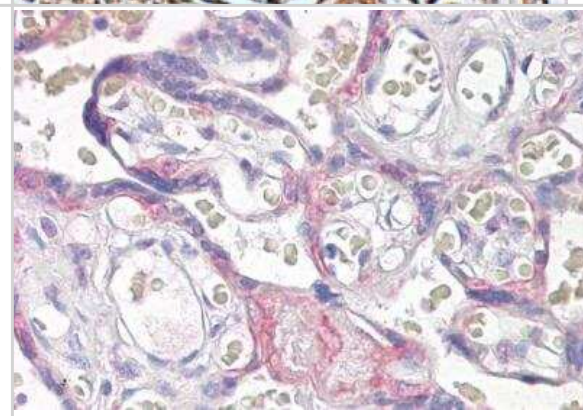
Immunohistochemistry-Paraffin: VPS41 Antibody [NB100-2425] - Staining of paraffin embedded Human Prostate. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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)



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Products Related to NB100-2425

NBL1-17751	VPS41 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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