

# Product Datasheet

## RAB14 Antibody - BSA Free NBP1-84720

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-84720**

RAB14 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

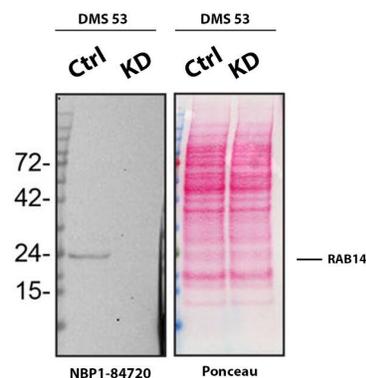
Product Description	
<b>Description</b>	Novus Biologicals Rabbit RAB14 Antibody - BSA Free (NBP1-84720) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-RAB14 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	51552
<b>Gene Symbol</b>	RAB14
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GQERFRAVTRSYYRGAAGALMVYDITRRSTYNHLSSWLTDARNLTNPNTVILLI GNKADLEAQRDVTYEEAKQFAEENGLLFLASAKTGENVEDAFLEAAKKIYQNI QDGSLLDLNAAESGVQHKPSAPQGGRLTSEPQPQ

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

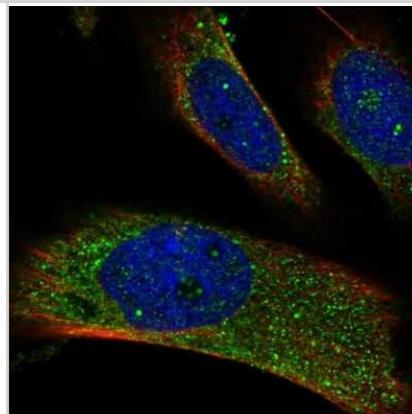


## Images

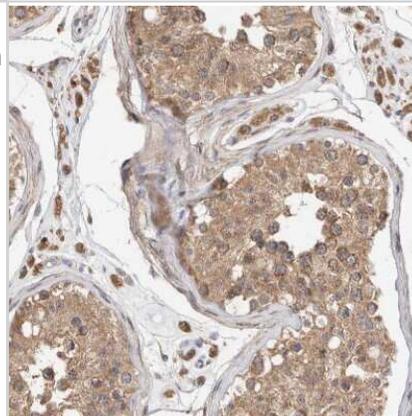
Western blot shows lysates of DMS 53 parental cell line and RAB14 knockdown DMS 53 cell line (KD). Nitrocellulose membrane was probed with RAB14 Antibody (Catalog # NBP1-84720) followed by HRP-conjugated secondary antibody. A specific band was detected for RAB14 at approximately 23.8 kDa (as indicated) in the parental DMS 53 cell line but is significantly reduced in knockdown DMS 53 cell line. Primary antibody dilution used: 1/1000. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.



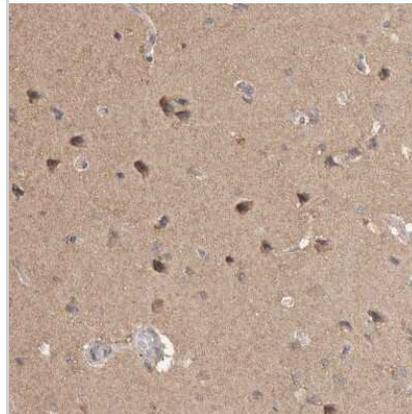
Immunocytochemistry/Immunofluorescence: RAB14 Antibody [NBP1-84720] - Immunofluorescent staining of human cell line U-251 MG shows localization to vesicles.



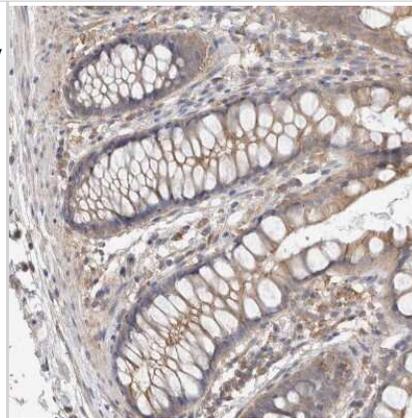
Immunohistochemistry-Paraffin: RAB14 Antibody [NBP1-84720] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



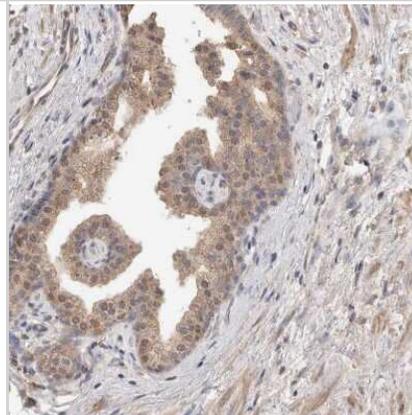
Immunohistochemistry-Paraffin: RAB14 Antibody [NBP1-84720] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



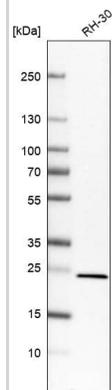
Immunohistochemistry-Paraffin: RAB14 Antibody [NBP1-84720] - Staining of human gastrointestinal shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: RAB14 Antibody [NBP1-84720] - Staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



Analysis in human cell line RH-30.



## Publications

Gundry C, Marco S, Rainero E et al. Phosphorylation of Rab-coupling protein by LMTK3 controls Rab14-dependent EphA2 trafficking to promote cell:cell repulsion. Nat Commun. 2017-03-15 [PMID: 28294115] (WB, Human)



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### Products Related to NBP1-84720

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NBP1-84720	RAB14 Antibody - BSA Free
NBP1-84720PEP	RAB14 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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