

# Product Datasheet

## RPL22 Antibody NBP1-06069

Unit Size: 0.1 mg

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

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**NBP1-06069****RPL22 Antibody****Product Information**

<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

**Product Description**

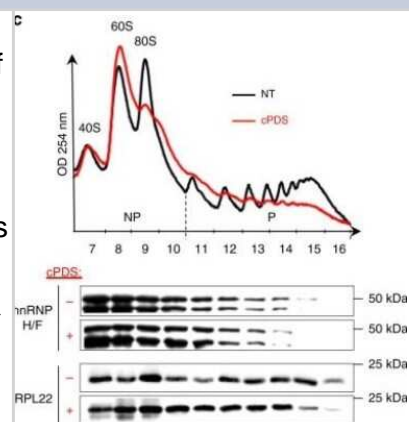
<b>Description</b>	Novus Biologicals Goat RPL22 Antibody (NBP1-06069) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-RPL22 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	6146
<b>Gene Symbol</b>	RPL22
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 26962690).
<b>Immunogen</b>	Peptide with sequence C-SKESYELRYFQINQ corresponding to C-Terminus according to NP_000974.1.

**Product Application Details**

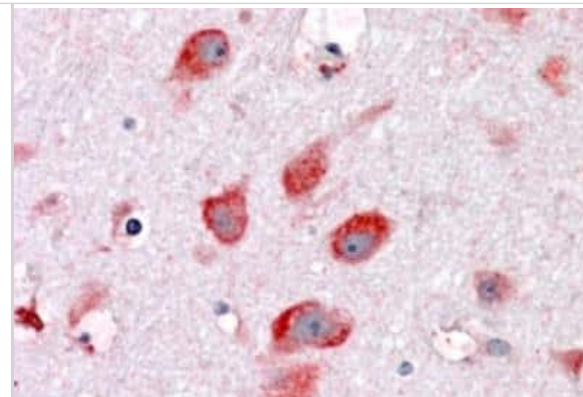
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Immunohistochemistry 3 - 6 ug/mL, Immunohistochemistry-Paraffin 3-6 ug/ml, Peptide ELISA detection limit 1:16000

**Images**

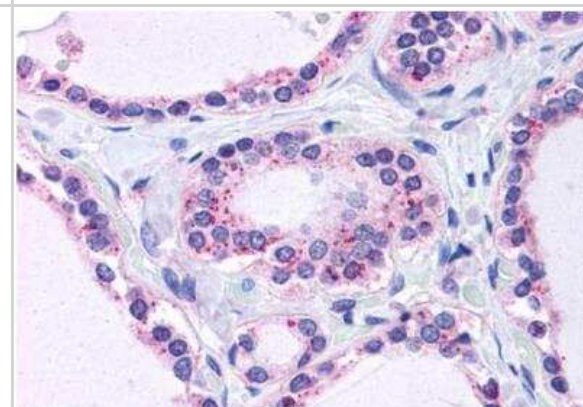
Western Blot: RPL22 Antibody [NBP1-06069] - hnRNP H/F subcellular localization and association with polysomal fractions. Polysome profile of U251 cells untreated (NT) or treated with 20 uM carboxypyridostatin (cPDS) for 1 h, and probing for hnRNP H/F or RPL22 (negative control), followed by western blot analysis from individual non-polysomal (NP) and polysomal (P) fractions by probing for hnRNP H/F, DHX36, DHX9, DDX3X, eIF4A. EEA1: negative control. RPS6: positive control. Shown is a representative result from n = 2 independent experiments. Image collected and cropped by CiteAb from the following publication ([www.nature.com/articles/s41467-020-16168-x](http://www.nature.com/articles/s41467-020-16168-x)) licensed under a CC-BY license.



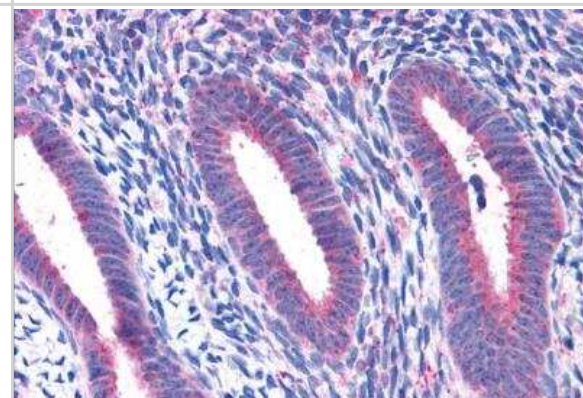
Immunohistochemistry-Paraffin: RPL22 Antibody [NBP1-06069] - Staining of paraffin embedded Human Cortex. Antibody at 3.8 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



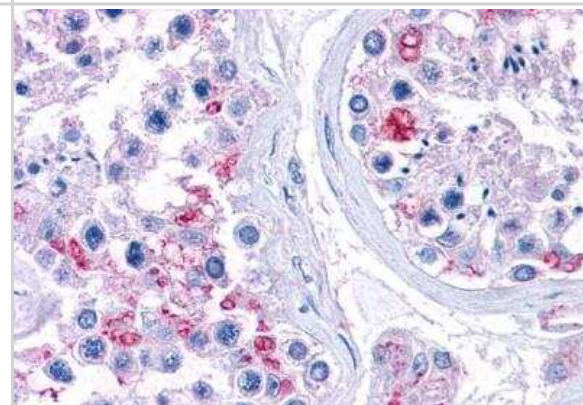
Immunohistochemistry-Paraffin: RPL22 Antibody [NBP1-06069] - Staining of paraffin embedded Human Thyroid. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: RPL22 Antibody [NBP1-06069] - Staining of paraffin embedded Human Uterus. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: RPL22 Antibody [NBP1-06069] - Staining of Human Testis. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Luan y, Tang N, yang J et al. Deficiency of ribosomal proteins reshapes the transcriptional and translational landscape in human cells *Nucleic acids research* 2022-02-08 [PMID: 35137207] (WB, Human)

Bogdanov V, Soltisz AM, Moise N Et al. Distributed synthesis of sarcolemmal and sarcoplasmic reticulum membrane proteins in cardiac myocytes *Basic research in cardiology* 2021-10-28 [PMID: 34713358] (IF/IHC, ICC/IF, Mouse)

Herviou P, Le Bras M, Dumas L et al. hnRNP H/F drive RNA G-quadruplex-mediated translation linked to genomic instability and therapy resistance in glioblastoma *Nat Commun* 2020-05-27 [PMID: 32461552] (WB, Human)

Fu K, Tian S, Tan H Biological and RNA regulatory function of MOV10 in mammalian germ cells *BMC Biol.* 2019-05-14 [PMID: 31088452] (WB, Mouse)

Li L, Wang M, Wang M et al. A long non-coding RNA interacts with Gfra1 and maintains survival of mouse spermatogonial stem cells *Cell Death Dis* 2016-03-11 [PMID: 26962690] (WB, Mouse)

Anderson SJ, Lauritsen JP, Hartman MG et al. Ablation of Ribosomal Protein L22 Selectively Impairs alphabeta T Development by Activation of a p53-Dependent Checkpoint. *Immunity* 2007-06-01 [PMID: 17555992]

Lin SJ, Chang KP, Hsu CW et al. Low-molecular-mass secretome profiling identifies C-C motif chemokine 5 as a potential plasma biomarker and therapeutic target for nasopharyngeal carcinoma. *J Proteomics* 2013-09-27 [PMID: 24080422] (WB, IHC-P, Human)

Jin J, Jing W, Lei X-X et al. Evidence that Lin28 stimulates translation by recruiting RNA helicase A to polysomes. *Nucleic Acids Res.* 2011-01-01 [PMID: 21247876]





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### **Products Related to NBP1-06069**

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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
NBP2-23419	Recombinant Human RPL22 His Protein

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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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