

# Product Datasheet

## Albumin Antibody - BSA Free NB600-41532

Unit Size: 1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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

**Publications: 43**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB600-41532](http://www.novusbio.com/NB600-41532)

Updated 9/9/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB600-41532](http://www.novusbio.com/reviews/destination/NB600-41532)



**NB600-41532**

Albumin Antibody - BSA Free

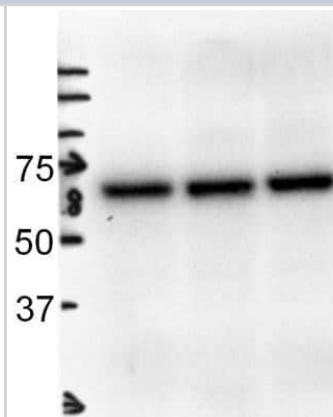
Product Information	
Unit Size	1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Goat Albumin Antibody - BSA Free (NB600-41532) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Albumin Antibody: Cited in 43 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	213
Gene Symbol	ALB
Species	Mouse
Specificity/Sensitivity	By immunoelectrophoresis, the antiserum reacts specifically with mouse Albumin. No reactivity was detected against other mouse serum proteins.
Immunogen	Full length protein (Mouse)

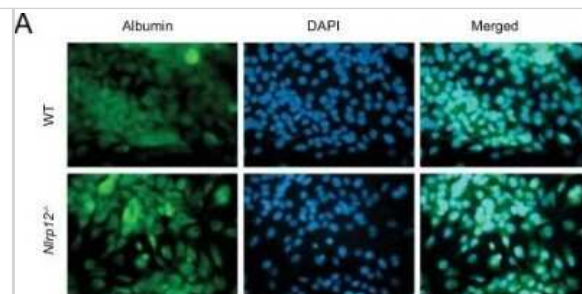
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000 - 1:30000, ELISA 1:1000 - 1:30000, Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/Immunofluorescence 1:200 - 1:2000, Immunohistochemistry-Paraffin 1:200 - 1:2000, Immunohistochemistry-Frozen
Application Notes	Use in IHC-Fr reported in scientific literature (PMID: 33277474). In ELISA, for coating plates use antibody at 1:100 - 1:500. Albumin antibody validated for WB from a verified customer review.

**Images**

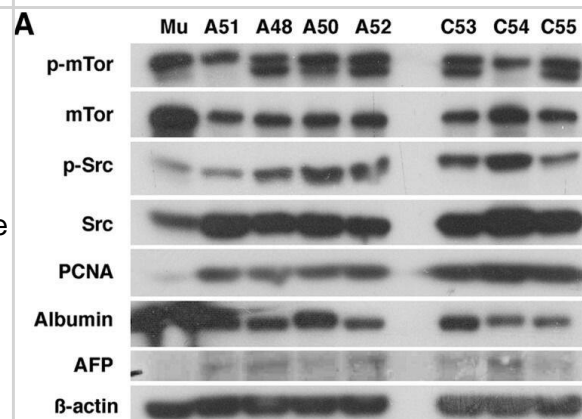
Western Blot: Albumin Antibody [NB600-41532] - Analysis using the HRP conjugate of NB600-41532. Detection of Albumin in whole mouse liver extracts. WB image submitted by a verified customer review.



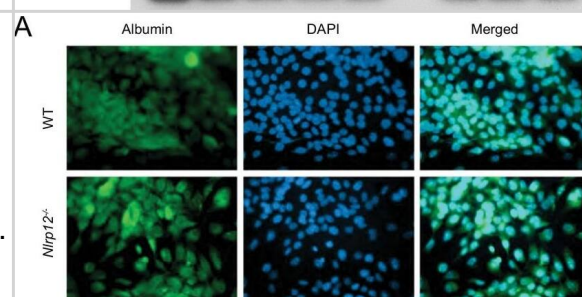
Immunocytochemistry/Immunofluorescence: Albumin Antibody [NB600-41532] - NLRP12 downregulates multiple JNK activating pathways in hepatocytes. For checking the purity of primary hepatocytes, hepatocytes isolated from healthy WT and Nlrp12<sup>-/-</sup> mouse livers were immunostained with antibody for hepatocyte-specific marker Albumin and counterstained with DAPI. Image collected and cropped by CiteAb from the following publication (<https://elifesciences.org/articles/40396>), licensed under a CC-BY license.



Western Blot: Albumin Antibody - BSA Free [NB600-41532] - Primary cell characterization. As per the materials & methods, tumors were isolated from mice & cultured. A, Primary murine hepatocytes were used as controls (Mu). Western blot revealed the primary cultures of APN KO A51, A48, A50 & A52 & WT C53, C54 & C55 cells to express p-mTOR, mTOR, p-Src, Src, PCNA, albumin & AFP. B, Immunofluorescence for K8 & pan-cytokeratin (PK) confirmed that A52 cells were epithelial (Scale bar 20  $\mu$ M). C, Table showing in vitro & in vivo growth characteristics of WT & APN KO primary cultures. Scale of growth (+ to ++++). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30794695>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



NLRP12 downregulates multiple JNK activating pathways in hepatocytes. (A) For checking the purity of primary hepatocytes, hepatocytes isolated from healthy WT and Nlrp12<sup>-/-</sup> mouse livers were immunostained with antibody for hepatocyte-specific marker Albumin and counterstained with DAPI. (B) Primary hepatocytes from WT and Nlrp12<sup>-/-</sup> healthy mouse livers were cultured and stimulated with LPS (1  $\mu$ g/mL), PGN (10  $\mu$ g/mL), TNF $\alpha$  (20 ng/mL), and IL-6 (20 ng/mL) for 4 hr. The expression of indicated genes was analyzed by real-time qPCR. Data represent means  $\pm$  SD (n = 3) and representative of three independent experiments. \*p<0.05. \*\*p<0.01, \*\*\*p<0.001. Statistical difference was determined by two-tailed unpaired t-test. (C) HepG2 cells stably expressing either GFP or NLRP12 were stimulated with LPS (1  $\mu$ g/mL), PGN (10  $\mu$ g/mL), TNF $\alpha$  (20 ng/mL), and IL-6 (20 ng/mL) for 4 hr, and the expression of indicated genes was analyzed by real-time qPCR. Data represent means  $\pm$  SD (n = 3) and representative of three independent experiments. \*p<0.05. \*\*p<0.01, \*\*\*p<0.001. Statistical difference was determined by two-tailed unpaired t-test. (D) Nlrp12<sup>-/-</sup> primary hepatocytes were stimulated with LPS in the presences or absence of JNK inhibitor. The levels of cMyc, P-cJun, and P-JNK were measured by Western blotting. (E) NLRP12 was knocked down in HepG2 cells using CRISPR/Cas9 technology. Cells were then stimulated with LPS (1  $\mu$ g/ml) and the activation of JNK was measured by Western blotting. 10.7554/eLife.40396.024 Figure 6—figure supplement 1—source data 1. NLRP12 downregulates inflammatory responses in hepatocytes in responses to multiple stimuli. NLRP12 downregulates inflammatory responses in hepatocytes in responses to multiple stimuli. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/30990169>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Wei W, Nicholas R, Xuchao L et al. Organism-wide, cell-type-specific secretome mapping of exercise training in mice. *Cell Metab.* 2023-04-28 [PMID: 37141889]

Yuek Ling Chai, Lea Strohm, Yanan Zhu, Rachel S.L. Chia, Joyce Ruifen Chong, Danesha Devini Suresh, Li Han Zhou, Heng Phon Too, Saima Hilal, Tomas Radivoyevitch, Edward H. Koo, Christopher P. Chen, Gunnar Heiko Dirk Poplawski Extracellular Vesicle-Enriched miRNA-Biomarkers Show Improved Utility for Detecting Alzheimer's Disease Dementia and Medial Temporal Atrophy *Journal of Alzheimer's Disease* 2024-05-21 [PMID: 38788066]

Lama A, Pirozzi C, Severi I et al. Palmitoylethanolamide dampens neuroinflammation and anxiety-like behavior in obese mice *Brain, behavior, and immunity* 2022-02-14 [PMID: 35176443] (IF/IHC, Mouse)

Ezquer F, Bahamonde J, et al. Administration of multipotent mesenchymal stromal cells restores liver regeneration and improves liver function in obese mice with hepatic steatosis after partial hepatectomy. *Stem Cell Res Ther* 2017-01-28 [PMID: 28129776] (ICC/IF, Mouse)

### Details:

Citation using the HRP format of this antibody.

Simoes S, Neufeld J. L, et al. Tau and other proteins found in Alzheimer's disease spinal fluid are linked to retromer-mediated endosomal traffic in mice and humans. *Sci Transl Med* 2020-11-25 [PMID: 33239387] (WB, Mouse)

Udden, S N, Kwak, Y T Et al. NLRP12 suppresses hepatocellular carcinoma via downregulation of cJun N-terminal kinase activation in the hepatocyte. *Elife* 2019-04-16 [PMID: 30990169] (WB, Human)

O Shea TM, Wollenberg AL, Kim JH et al. Foreign body responses in mouse central nervous system mimic natural wound responses and alter biomaterial functions *Nature communications* 2020-12-04 [PMID: 33277474] (IHC-Fr, Mouse)

Ikeda A, Yamamoto T, Mineshiba J, Takashiba S Follistatin expressed in mechanically-damaged salivary glands of male mice induces proliferation of CD49f+ cells *Sci Rep* 2020-11-17 [PMID: 33203957] (ICC/IF, Mouse)

### Details:

Immunocytochemistry performed on mouse salivary glands that were either positive or negative for CD49f.

Yang AC, Stevens MY, Chen MB et al. Physiological blood-brain transport is impaired with age by a shift in transcytosis *Nature* 2020-07-01 [PMID: 32612231] (IF/IHC, Mouse)

Janardhan KS, Jensen H, Clayton NP, Herbert RA *Immunohistochemistry in Investigative and Toxicologic Pathology Toxicol Pathol.* 2018-07-01 [PMID: 29966501] (IF/IHC, Mouse)

### Details:

Citation used the HRP format of this antibody.

Walker S, Wankell M, Ho V et al. Targeting mTOR and Src restricts hepatocellular carcinoma growth in a novel murine liver cancer model *PLoS ONE* 2019-02-22 [PMID: 30794695] (WB, Mouse)

knittelfelder O, Traikov S, VvedenskaYa O et al. Shotgun Lipidomics Combined with Laser Capture Microdissection: A Tool To Analyze Histological Zones in Cryosections of Tissues. *Anal. Chem.* 2018-07-30 [PMID: 30004672] (WB, Mouse)

More publications at <http://www.novusbio.com/NB600-41532>





### 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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NB600-41532

---

NBL1-07449	Human Serum Albumin 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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB600-41532](http://www.novusbio.com/reviews/submit/NB600-41532)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)



