

Product Datasheet

RBPMS Antibody - Azide and BSA Free NBP2-20112

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-20112

RBPMS Antibody - Azide and BSA Free

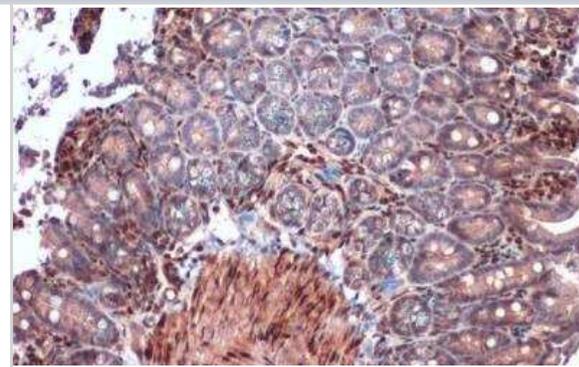
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	22 kDa

Product Description	
Description	Novus Biologicals Rabbit RBPMS Antibody - BSA Free (NBP2-20112) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-RBPMS Antibody: Cited in 20 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	11030
Gene Symbol	RBPMS
Species	Human, Mouse, Rat, Monkey
Immunogen	Recombinant protein encompassing a sequence within the center region of human RBPMS. The exact sequence is proprietary.

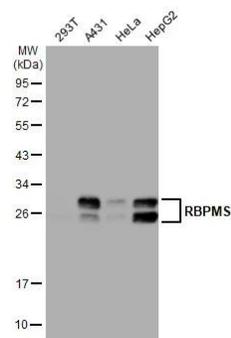
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Validated from a verified customer review., Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount Assay dependent

Images

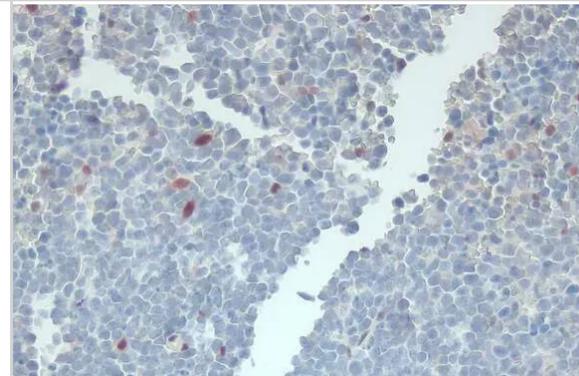
Immunohistochemistry-Paraffin: RBPMS Antibody [NBP2-20112] - Mouse intestine. RBPMS stained by RBPMS antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



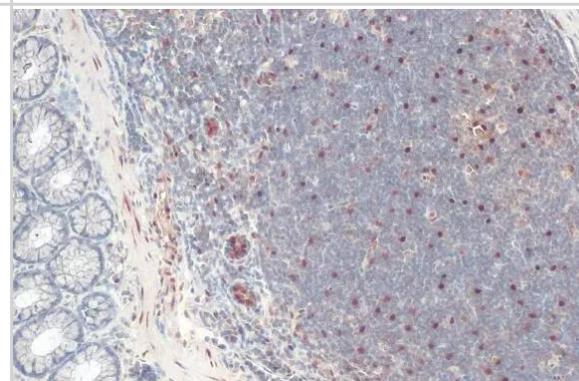
Western Blot: RBPMS Antibody [NBP2-20112] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with RBPMS antibody (NBP2-20112) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



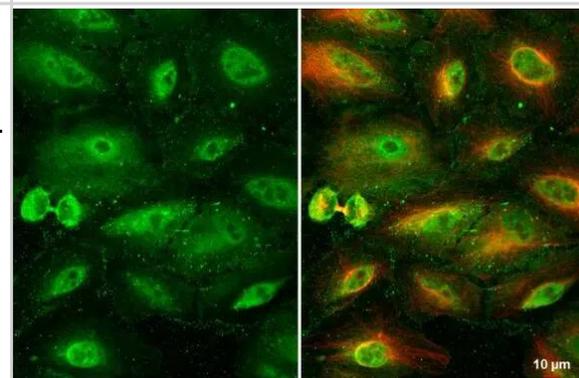
Immunohistochemistry-Paraffin: RBPMS Antibody [NBP2-20112] - RBPMS antibody detects RBPMS protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded mouse lymph node. RBPMS stained by RBPMS antibody (NBP2-20112) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



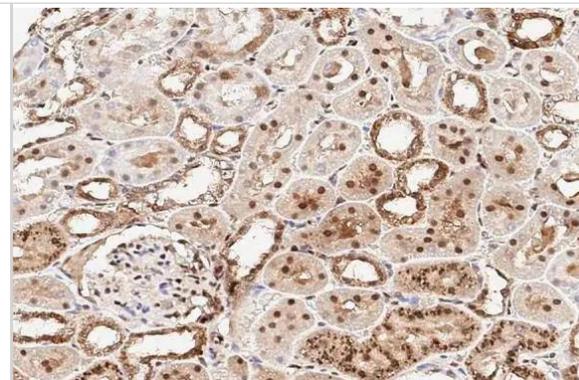
Immunohistochemistry-Paraffin: RBPMS Antibody [NBP2-20112] - RBPMS antibody detects RBPMS protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat colon. RBPMS stained by RBPMS antibody (NBP2-20112) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



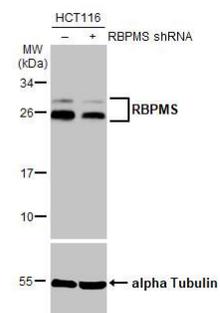
Immunocytochemistry/ Immunofluorescence: RBPMS Antibody [NBP2-20112] - RBPMS antibody detects RBPMS protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: A549 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: RBPMS stained by RBPMS antibody (NBP2-20112) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000.



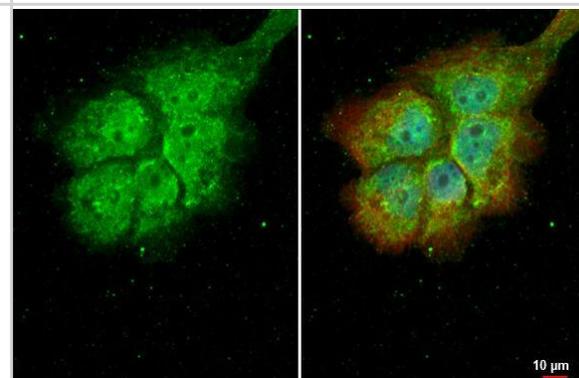
BPMS antibody detects BPMS protein by immunohistochemical analysis. Sample: Paraffin-embedded rat kidney. BPMS stained by BPMS antibody (NBP2-20112) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Non-transfected (-) and transfected (+) HCT-116 whole cell extract were separated by 12% SDS-PAGE, and the membrane was blotted with BPMS antibody (NBP2-20112) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



BPMS antibody detects BPMS protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: BPMS stained by BPMS antibody (NBP2-20112) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000. Blue: Fluoroshield with DAPI .



BPMS antibody detects BPMS protein by immunohistochemical analysis.

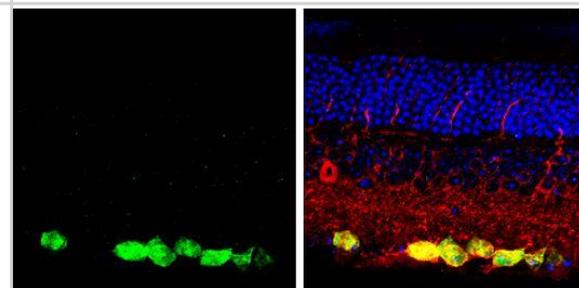
Samples: Paraffin-embedded mouse retina.

Green: BPMS protein stained by BPMS antibody (NBP2-20112) diluted at 1:250.

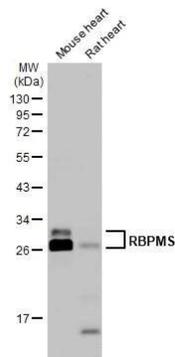
Red: beta Tubulin 3/ Tuj1, a marker, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] diluted at 1:500.

Blue: Fluoroshield with DAPI .

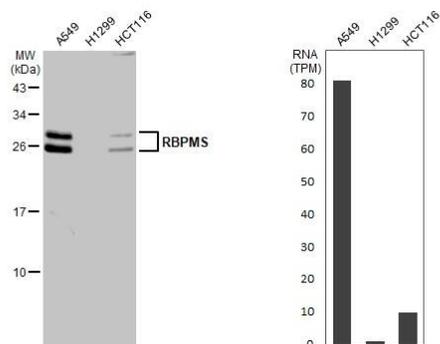
br>Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



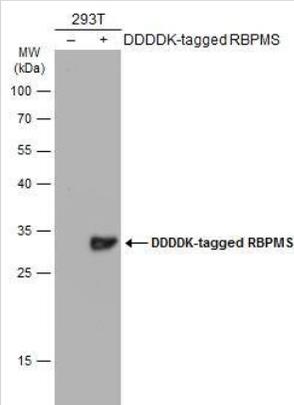
Various tissue extracts (50 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with RBPMS antibody (NBP2-20112) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



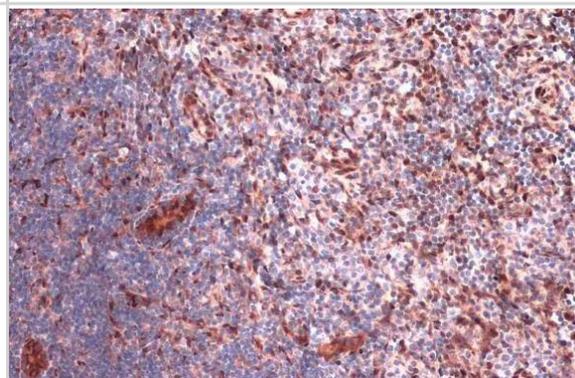
Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with RBPMS antibody (NBP2-20112) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



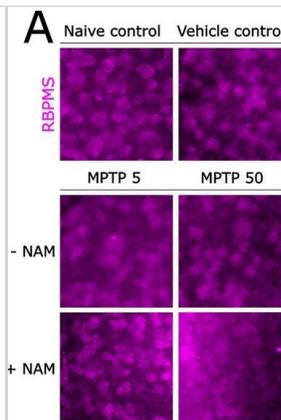
Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with RBPMS antibody (NBP2-20112) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



RBPMS antibody detects RBPMS protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat lymph node. RBPMS stained by RBPMS antibody (NBP2-20112) diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Nicotinamide provides a robust, long-term retinal ganglion cell neuroprotection following intravitreal MPTP administration. A Retinal ganglion cells were labelled in whole-mounted retina with anti-RBPMS (magenta) in Thy1-CFP mice. B There was no significant difference in RBPMS+ retinal ganglion cell density between the vehicle control group and the groups treated with NAM prior to injection of 5 mg/mL MPTP or 50 mg/mL MPTP, supporting the protection of retinal ganglion cells by NAM. Scale bar = 20 μ m in A Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38773545>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Li P, Shi X, Liu H et al. HOCPCA Exerts Neuroprotection on Retinal Ganglion Cells by Binding to CaMKII α and Modulating Oxidative Stress and Neuroinflammation in Experimental Glaucoma *Neuroscience bulletin* 2025-06-02 [PMID: 40457155]

Tribble JR, Otmani A, Kokkali E et al. Retinal Ganglion Cell Degeneration in a Rat Magnetic Bead Model of Ocular Hypertensive Glaucoma *Translational Vision Science & Technology* 2021-01-12 [PMID: 33510960] (Immunofluorescence, Mouse)

D Chen, C Peng, XM Ding, Y Wu, CJ Zeng, L Xu, WY Guo Interleukin-4 promotes microglial polarization toward a neuroprotective phenotype after retinal ischemia/reperfusion injury *Oncogene*, 2022-12-01;17(12):2755-2760. 2022-12-01 [PMID: 35662225] (Immunofluorescence, Mouse)

Liang Q, Cheng X, Wang J et al. A multi-omics atlas of the human retina at single-cell resolution *Cell Genomics* 2023-06-14 [PMID: 37388908] (Immunofluorescence, Mouse)

Warwick AM, Bomze HM, Wang L et al. Hypoxia-mediated rescue of retinal ganglion cells deficient in mitochondrial complex I is independent of the hypoxia-inducible factor pathway *Scientific Reports* 2024-10-15 [PMID: 39406814]

Xinyu Gu, Xun Chen, Xuan Zhang, Keli Liu, Jing-Jing Li, Wenyu Lv, Lei Zeng, Mingjuan Wu, Weibin Zhou, Weifa Wang, Shunhua Shi, Yicheng Deng, Yunhua Li, Xinbo Gao, Rong Ju, Alexandre Dubrac, Xialin Liu, Feng Zhang Macrophage-induced integrin signaling promotes Schlemm's canal formation to prevent intraocular hypertension and glaucomatous optic neuropathy. *Cell reports* 2024-03-04 [PMID: 38367239]

Soo-Ho Choi, Keun-Young Kim, Guy A. Perkins, Sébastien Phan, Genea Edwards, Yining Xia, Jungsu Kim, Dorota Skowronska-Krawczyk, Robert N. Weinreb, Mark H. Ellisman, Yury I. Miller, Won-Kyu Ju AIBP protects retinal ganglion cells against neuroinflammation and mitochondrial dysfunction in glaucomatous neurodegeneration *Redox Biology* 2020-08-27 [PMID: 32896719]

Meng Xuan, Wei Wang, Gabriella Bulloch, Jian Zhang, Jason Ha, Qilin Wang, Juanjuan Wang, Xingyan Lin, Mingguang He Impact of Acute Ocular Hypertension on Retinal Ganglion Cell Loss in Mice *Translational Vision Science & Technology* 2024-03-20 [PMID: 38506800]

Yifei Li, Dongchang Xiao, Haiqiao Chen, X.F. Steven Zheng, Mengqing Xiang Maf1 controls retinal neuron number by both RNA Pol III- and Pol II-dependent mechanisms *iScience* 2023-11-23 [PMID: 38089586]

Want A, Nan X, Kokkali E et al. Brain-derived neurotrophic factor released from blood platelets prevents dendritic atrophy of lesioned adult central nervous system neurons *Brain communications* 2023-03-02 [PMID: 36970044] (IHC, Mouse)

Liang Q, Cheng X, Wang J et al. A multi-omics atlas of the human retina at single-cell resolution *Cell Genomics* 2023-04-01 (Immunohistochemistry, Human)

Warwick AM, Bomze HM, Wang L et al. Continuous Hypoxia Reduces Retinal Ganglion Cell Degeneration in a Mouse Model of Mitochondrial Optic Neuropathy *Investigative ophthalmology & visual science* 2022-12-01 [PMID: 36538003] (IHC, Mouse)

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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