

# Product Datasheet

## KHSRP Antibody NBP1-18910

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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



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Updated 9/9/2025 v.20.1

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**NBP1-18910**

KHSRP Antibody

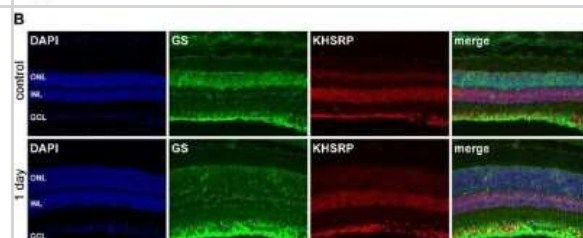
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Product Description	
Description	Novus Biologicals Rabbit KHSRP Antibody (NBP1-18910) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western and IP. Anti-KHSRP Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8570
Gene Symbol	KHSRP
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 25907681).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 100 and 150 of human KH-type splicing regulatory protein using the numbering given in entry Q92945.3 (GeneID 8570).
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Simple Western 1:40, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 25907681), Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000, Immunohistochemistry-Frozen Reactivity reported form a verified customer review
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in HeLa lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:40, apparent MW was 114 kDa.

## Images

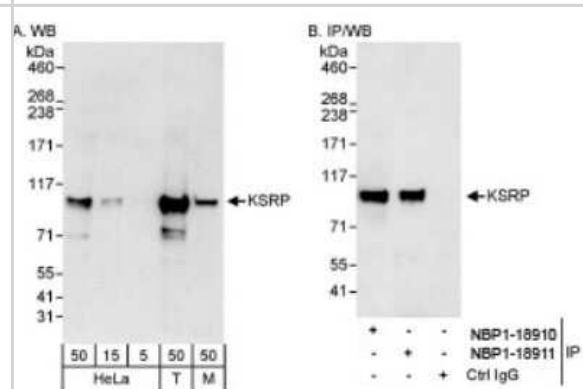
Simple Western: KHSRP Antibody [NBP1-18910] - Simple Western lane view shows a specific band for KHSRP in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunohistochemistry: KHSRP Antibody [NBP1-18910] - Immunofluorescence of ILF3 and KHSRP in the retina. Retinal sections were prepared from control mice and from mice at one day after light exposure and stained for GS (green) and KHSRP (red). Image collected and cropped by CiteAb from the following publication (<https://bmcbiol.biomedcentral.com/articles/10.1186/s12915-015-0137-1>), licensed under a CC-BY license.



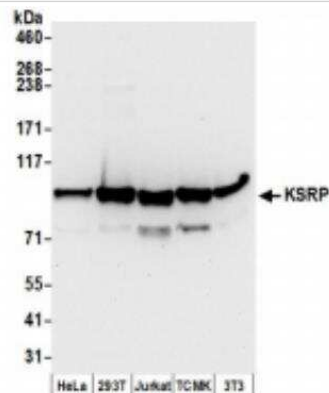
Western Blot: KHSRP Antibody [NBP1-18910] - Whole cell lysate from HeLa, 293T and mouse NIH3T3 cells. KSRP was also immunoprecipitated by rabbit anti-KSRP antibody NBP1-18911.



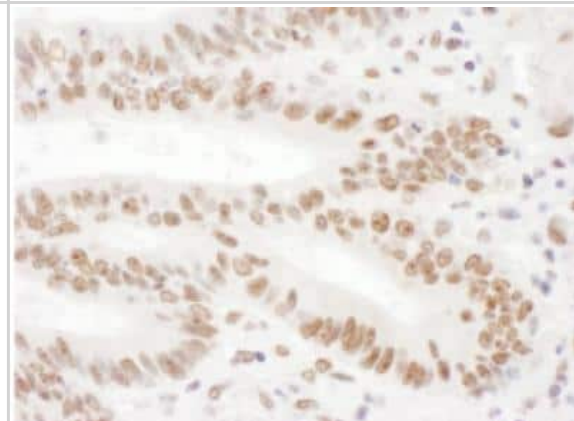
Immunohistochemistry-Frozen: KHSRP Antibody [NBP1-18910] - KSRP immunostaining in mouse cerebral cortex and hippocampus. Cell were stained with Novus KSRP. This KSRP antibody was also used for immunoprecipitation and western blot analyses. Image from confirmed customer review.



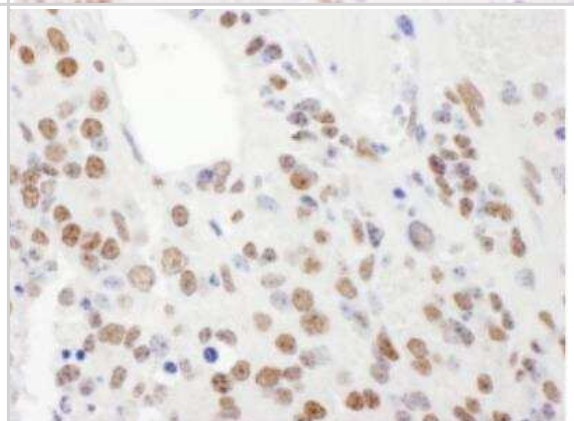
Western Blot: KHSRP Antibody [NBP1-18910] - Whole cell lysate (50 ug) from HeLa, 293T, Jurkat, mouse TCMK-1, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit antiKSRP antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



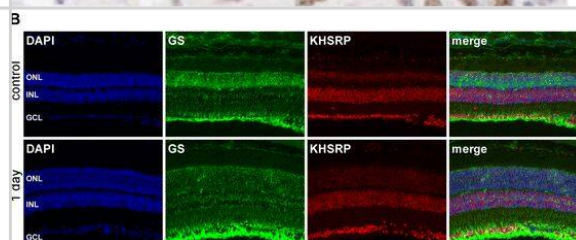
Immunohistochemistry-Paraffin: KHSRP Antibody [NBP1-18910] - FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-KSRP used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



Immunohistochemistry-Paraffin: KHSRP Antibody [NBP1-18910] - FFPE section of mouse teratoma. Antibody: Affinity purified rabbit anti-KSRP used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

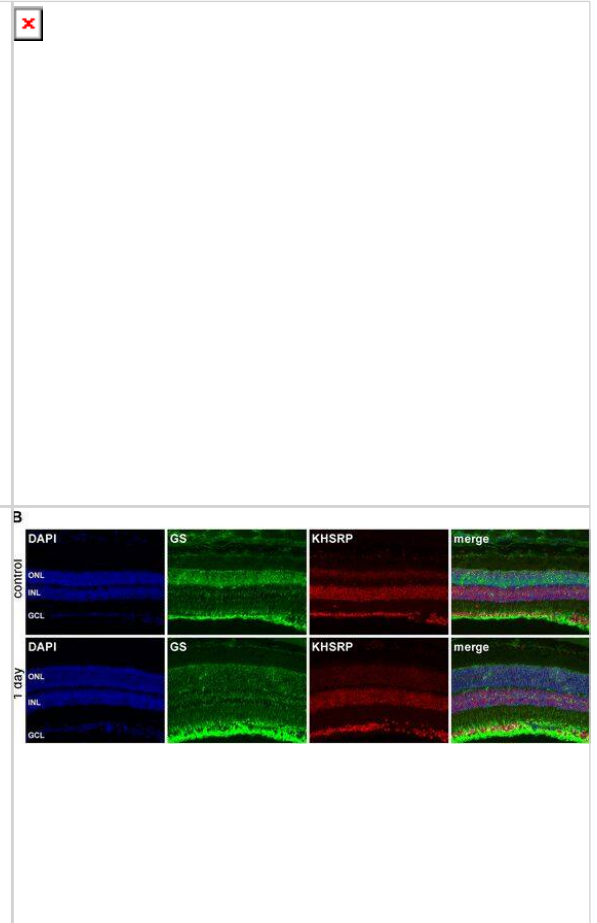


Immunofluorescence of ILF3 and KHSRP in the retina. Retinal sections were prepared from control mice and from mice at one day after light exposure and stained (A) for glutamine synthetase (GS, green) and ILF3 (red) or (B) for GS (green) and KHSRP (red). (C) Control stainings with secondary antibodies only (as indicated). DAPI was used to visualize nuclei. DAPI, 4',6-diamidino-2-phenylindole.



Effect of MnCl<sub>2</sub> and LPS on protein levels of KHSRP and NLRP3 quantitated by Western blot analysis 24 h post-exposure, relative band intensity quantified (a) Western blot analysis for the impact of MnCl<sub>2</sub> exposure on NLRP3, KHSRP, GAPDH, (b) fold change in KHSRP protein levels (relative quantification) post-MnCl<sub>2</sub> exposure, (c) fold change in NLRP3 protein post-MnCl<sub>2</sub> exposure, (d) Western blot analysis for the impact of LPS exposure on NLRP3, KHSRP, GAPDH, (e) fold change in KHSRP protein levels (relative quantification) post-LPS exposure, (f) fold change in NLRP3 protein post-LPS exposure. Protein intensity values were normalized to the housekeeping protein, GAPDH, and expressed as a fold-induction over the control sample (set at a value of 1). Data represented as mean +/- SEM. \* p < 0.05, \*\* p < 0.001. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36362011>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

Immunofluorescence of ILF3 and KHSRP in the retina. Retinal sections were prepared from control mice and from mice at one day after light exposure and stained (A) for glutamine synthetase (GS, green) and ILF3 (red) or (B) for GS (green) and KHSRP (red). (C) Control stainings with secondary antibodies only (as indicated). DAPI was used to visualize nuclei. DAPI, 4',6-diamidino-2-phenylindole. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/25907681>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Patel P, Buchanan CN, Zdradzinski MD et al. Intra-axonal translation of Khsrp mRNA slows axon regeneration by destabilizing localized mRNAs *Nucleic acids research* 2022-06-10 [PMID: 35556128] (ICC/IF, Mouse)

Details:

1:200 ICC/IF dilution

Todorova V, Merolla L, Karademir D et al. Retinal Layer Separation (ReLayS) method enables the molecular analysis of photoreceptor segments and cell bodies, as well as the inner retina *Scientific reports* 2022-11-23 [PMID: 36424523] (WB, Mouse)

Details:

Dilutions: 1:5000

Singh S, Shaikh I, More S et al. Blockage of KHSRP-NLRP3 by MCC950 Can Reverse the Effect of Manganese-Induced Neuroinflammation in N2a Cells and Rat Brain *International Journal of Molecular Sciences* 2022-10-30 [PMID: 36362011] (WB, Mouse)

Olguin SL, Patel P, Buchanan CN et al. KHSRP loss increases neuronal growth and synaptic transmission and alters memory consolidation through RNA stabilization *Communications biology* 2022-07-07 [PMID: 35798971] (IHC-P, Mouse)

Schmidtke L, Meineck M, Saurin S Et al. Knockout of the KH-Type Splicing Regulatory Protein Drives Glomerulonephritis in MRL-Faslpr Mice *Cells* 2021-11-14 [PMID: 34831390] (WB, Mouse)

Schmidtke L, Schrick K, Saurin S et al. The KH-type splicing regulatory protein (KSRP) regulates type III interferon expression post-transcriptionally *Biochem. J.* 2018-12-21 [PMID: 30578289] (IP, Human)

Agca C, Boldt K, Gubler A et al. Expression of leukemia inhibitory factor in Muller glia cells is regulated by a redox-dependent mRNA stability mechanism *BMC Biol.* 2015-04-25 [PMID: 25907681] (ICC/IF, Rat)

Bird CW, Gardiner AS, Bolognani F et al. KSRP Modulation of GAP-43 mRNA Stability Restricts Axonal Outgrowth in Embryonic Hippocampal Neurons. *PLoS One.* 2013-11-14 [PMID: 24244461] (IP, Mouse)

Zhou R, Gong AY, Eischeid AN et al. miR-27b targets KSRP to coordinate TLR4-mediated epithelial defense against *Cryptosporidium parvum* infection. *PLoS Pathog* 2012-01-01 [PMID: 22615562]

Otsuka M, Takata A, Yoshikawa T et al. Receptor for Activated Protein Kinase C: Requirement for Efficient MicroRNA Function and Reduced Expression in Hepatocellular Carcinoma. *PLoS One* 2011-09-15 [PMID: 21935400]

Neff AT, Lee JY, Wilusz J et al. Global analysis reveals multiple pathways for unique regulation of mRNA decay in induced pluripotent stem cells. *Genome Res* 2012-07-06 [PMID: 22534399] (WB, Human)





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### **Products Related to NBP1-18910**

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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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