Product Datasheet

KHSRP Antibody
NBP1-18910

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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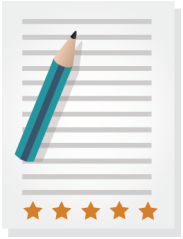
Updated 12/20/2023 v.20.1



NBP1-18910

KHSRP Antibody

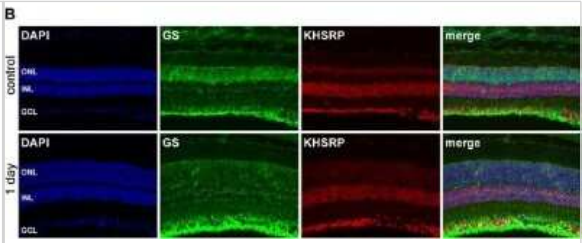
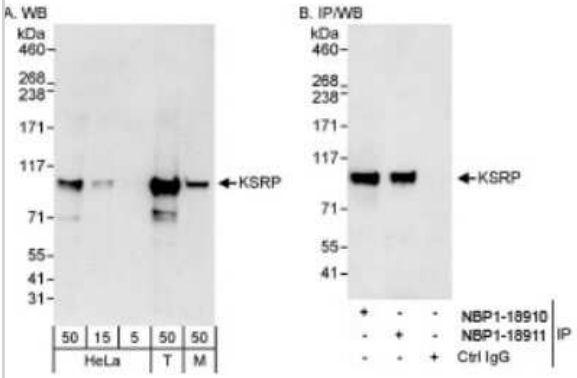
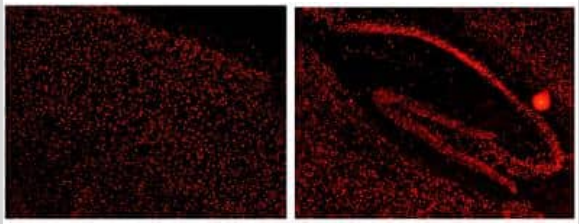
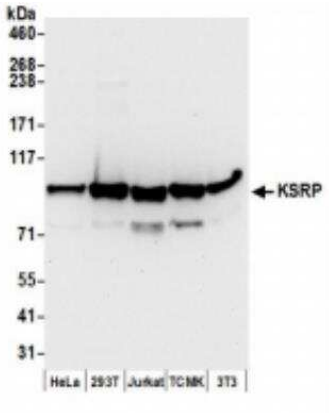
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

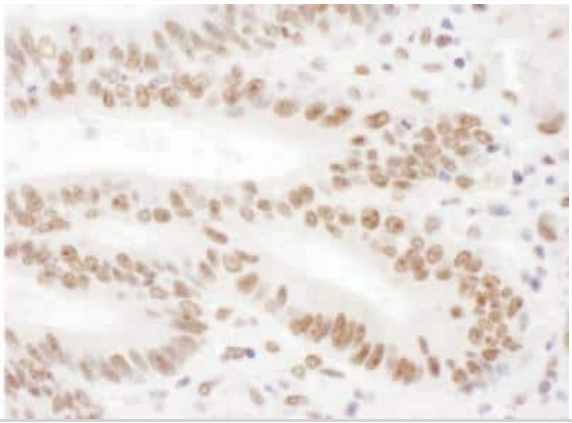
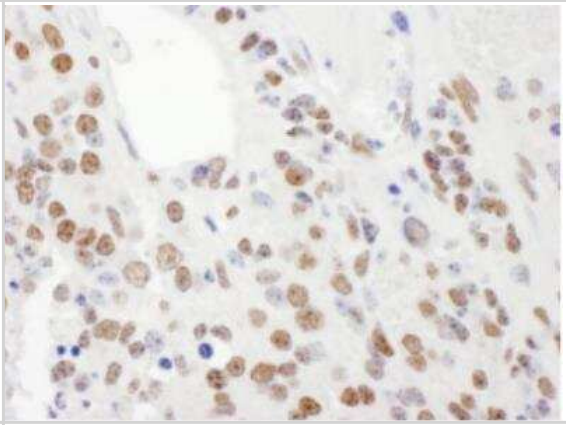
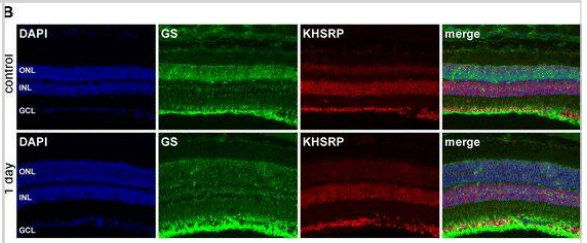
Product Description	
Host	Rabbit
Gene ID	8570
Gene Symbol	KHSRP
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 25907681).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 100 and 150 of human KH-type splicing regulatory protein using the numbering given in entry Q92945.3 (GeneID 8570).

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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. Separated by Size.

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 immunoprecipation 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.	

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

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00008570-Q01-10ug	Recombinant Human KHSRP GST (N-Term) Protein

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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