

For Research Use Only

# KHSRP Recombinant antibody

Catalog Number: 82931-1-RR



## Basic Information

<b>Catalog Number:</b> 82931-1-RR	<b>GenBank Accession Number:</b> NM_003685	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8570	<b>CloneNo.:</b> 230189G1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92945	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> KH-type splicing regulatory protein	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Immunogen Catalog Number:</b> AG33890	<b>Calculated MW:</b> 73 kDa	IHC 1:50-1:500
	<b>Observed MW:</b> 75 kDa	IF/ICC 1:200-1:800

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, FC (Intra), IP, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, HEK-293T cells, Jurkat cells, mouse spleen tissue, mouse brain tissue, rat brain tissue

**IP :** HeLa cells,

**IHC :** mouse brain tissue,

**IF/ICC :** A549 cells,

## Background Information

KHSRP, also named as FUBP2, KSRP, and p75, belongs to the KHSRP family. It binds to the dendritic targeting element and may play a role in mRNA trafficking. KHSRP is a part of a ternary complex that binds to the downstream control sequence (DCS) of the pre-mRNA. It mediates exon inclusion in transcripts that are subject to tissue-specific alternative splicing. KHSRP may interact with single-stranded DNA from the far-upstream element (FUSE). May activate gene expression. It is involved in the degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly by recruiting degradation machinery to ARE-containing mRNAs.

## Storage

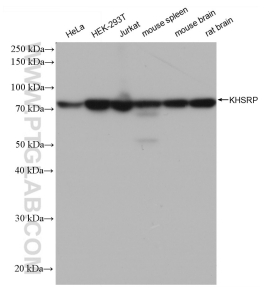
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

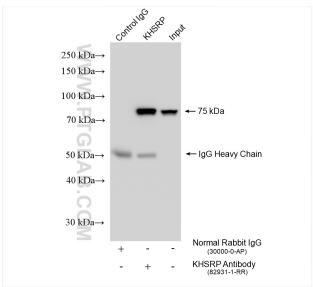
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

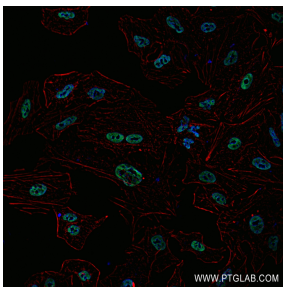
Selected Validation Data



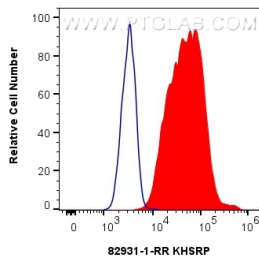
Various lysates were subjected to SDS PAGE followed by western blot with 82931-1-RR (KHSRP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



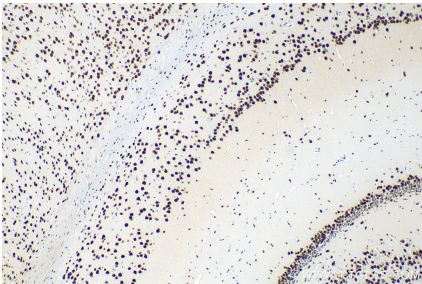
IP result of anti-KHSRP (IP:82931-1-RR, 4ug; Detection:82931-1-RR 1:2500) with HeLa cells lysate 1050 ug.



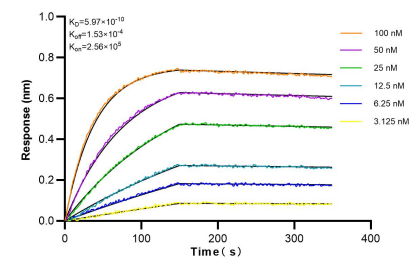
Immunofluorescent analysis of (4% PFA) fixed A549 cells using KHSRP antibody (82931-1-RR, Clone: 230189G1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug KHSRP Recombinant antibody (82931-1-RR, Clone:230189G1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82931-1-RR (KHSRP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82931-1-RR against Human KHSRP were performed. The affinity constant is 0.597 nM.