

For Research Use Only

# KHSRP Recombinant antibody, PBS Only

Catalog Number: 82931-5-PBS



## Basic Information

|                                                            |                                                          |                                                       |
|------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>82931-5-PBS                      | <b>GenBank Accession Number:</b><br>NM_003685            | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8570                            | <b>CloneNo.:</b><br>230189A2                          |
| <b>Source:</b><br>Rabbit                                   | <b>UNIPROT ID:</b><br>Q92945                             |                                                       |
| <b>Isotype:</b><br>IgG                                     | <b>Full Name:</b><br>KH-type splicing regulatory protein |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG33890                | <b>Calculated MW:</b><br>73 kDa                          |                                                       |

## Applications

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

**Species Specificity:**  
human

## 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.

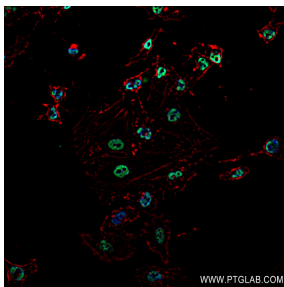
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

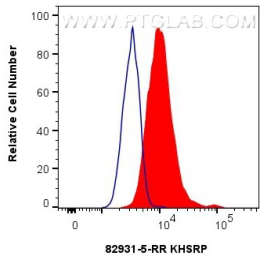
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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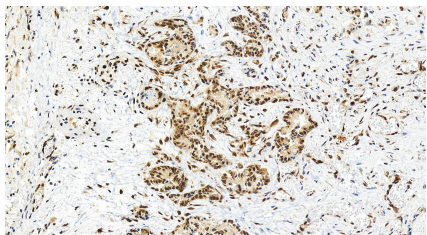
Selected Validation Data



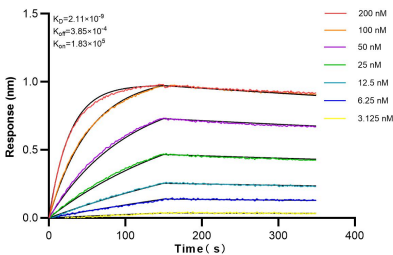
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using KHSRP antibody (82931-5-RR, Clone: 230189A2 ) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 82931-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug KHSRP Recombinant antibody (82931-5-RR, Clone:230189A2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82931-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82931-5-RR (KHSRP antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82931-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82931-5-RR against Human KHSRP were performed. The affinity constant is 2.11 nM.