

Rabbit KHSRP Polyclonal Antibody | anti-KHSRP antibody

KHSRP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327986	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

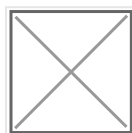
PRODUCT SYNONYMS

KHSRP; Polyclonal Antibody; KHSRP Antibody; Far upstream element-binding protein 2; FBP2; FUBP2; FUBP2_HUMAN; FUSE binding protein 2; FUSE-binding protein 2; KH type splicing regulatory protein (FUSE binding protein 2); KH type splicing regulatory protein; KH type-splicing regulatory protein; KSRP; p75; anti-KHSRP antibody

PRODUCT SPECIFICATIONS

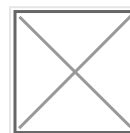
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KHSRP antibody detects endogenous levels of total KHSRP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	711
Applicable Applications for anti-KHSRP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KHSRP
Subcellular Location	Nucleus. Cytoplasm. A small proportion is also found in the cytoplasm of neuronal cell bodies and dendrites.
Tissue Specificity	Detected in neural and non-neural cell lines.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of KHSRP using COLO205 whole cell lysates



IHC (Immunohistochemistry)

AAA327986 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA327986 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KHSRP antibody	Function: Binds to the dendritic targeting element and may play a role in mRNA trafficking (By similarity). Part of a ternary complex that binds to the downstream control sequence (DCS) of the pre-mRNA. Mediates exon inclusion in transcripts that are subject to tissue-specific alternative splicing. May interact with single-stranded DNA from the far-upstream element (FUSE). May activate gene expression. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly by recruiting degradation machinery to ARE-containing mRNAs. Subunit Structure: Part of a ternary complex containing FUBP2, PTBP1, PTBP2 and HNRPH1 (PubMed:11003644). Interacts with PARN (PubMed:15175153). Interacts with PQBP1 (PubMed:21933836). Post-translational Modifications: Phosphorylation at Ser-193 leads to the unfolding of the unstable KH domain 1, creating a site for 14-3-3 YWHAZ binding, which promotes nuclear localization and impairs the RNA degradation function. Similarity: KH domains KH 3 and KH 4 behave as independent binding modules and can interact with different regions of the AU-rich RNA targets of degradation. Belongs to the KHSRP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154355000
NCBI GeneID	8570
NCBI Accession #	NP_003676.2
NCBI GenBank Nucleotide #	NM_003685.2
UniProt Accession #	Q92945; O00301; Q59EZ9; Q5U4P6; Q9UNT5; Q9UQH5
Molecular Weight	Observed: 73 kDa Predicted: 74 kDa
NCBI Official Full Name	far upstream element-binding protein 2 isoform 1
NCBI Official Synonym Full Names	KH-type splicing regulatory protein
NCBI Official Symbol	KHSRP
NCBI Official Synonym Symbols	p75; FBP2; KSRP; FUBP2
NCBI Protein Information	far upstream element-binding protein 2
UniProt Protein Name	Far upstream element-binding protein 2
UniProt Gene Name	KHSRP
UniProt Synonym Gene Names	FUBP2; FUSE-binding protein 2; KSRP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.