

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody Rabbit monoclonal antibody Catalog # AGI1566

Specification

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW Gene Name Aliases WB, FC, ICC <u>O92945</u> Rat, Human, Mouse Monoclonal Rabbit IgG Predicted, 73 kDa , observed , 73 kDa KDa KHSRP KHSRP; KH-Type Splicing Regulatory Protein; FUBP2; KSRP; FBP2; Far Upstream Element-Binding Protein; FUSE-Binding Protein; P75; Epididymis Secretory Sperm Binding Protein; KH Type-Splicing Regulatory Protein; FUSE Binding Protein 2 A synthesized peptide derived from human KHSRP

Immunogen

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody - Additional Information

Gene ID 8570 Other Names Far upstream element-binding protein 2, FUSE-binding protein 2, KH type-splicing regulatory protein, KSRP, p75, KHSRP, FUBP2

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody - Protein Information

Name KHSRP

Synonyms FUBP2

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.

Cellular Location

Nucleus. Cytoplasm. Note=A small proportion is also found in the cytoplasm of neuronal cell bodies and dendrites.



Tissue Location

Detected in neural and non-neural cell lines.

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

KD-Validated Anti-KHSRP Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-KHSRP antibody (Cat#62192). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-KHSRP antibody (Cat#62192, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-KHSRP antibody (Cat#62192). KHSRP expression in wild type (WT) and KHSRP shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin



serves as a loading control. The blot was incubated with anti-KHSRP antibody (Cat#62192, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ[™] ECL Substrate Kit (Cat#226).



Flow cytometric analysis of KHSRP expression in HepG2 cells using KHSRP antibody (Cat#62192, 1:2,000). Green, isotype control; red, KHSRP.



Immunocytochemical staining of HepG2 cells with anti-KHSRP antibody (Cat #62192, 1:1,000). Nuclei were stained blue with DAPI; KHSRP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.