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Product Information

Anti-KHSRP
produced in rabbit, affinity isolated antibody

Catalog Number **SAB4200566**

Product Description

Anti-KHSRP is produced in rabbit using as immunogen a synthetic peptide corresponding to an internal region of human KHSRP (GeneID: 8570), conjugated to KLH. The corresponding sequence is identical in rat, mouse, monkey, pig and dog KHSPR. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-KHSRP recognizes human, mouse and rat KHSRP. The antibody may be used in various immunochemical techniques including immunoblotting (~82 kDa) and immunoprecipitation. Detection of the KHSRP band by immunoblotting is specifically inhibited by the immunizing peptide.

KHSRP (KH type-splicing regulatory protein, KSRP), also known as FBP2 (Far upstream element-binding protein 2), is a multifunctional RNA-binding protein implicated in a variety of cellular processes, including transcription, alternative pre-mRNA splicing, and mRNA localization. KHSRP contains four K homology RNA-binding domains, and is a component of a ternary complex that binds to the downstream control sequence (DCS), an intronic splicing enhancer element downstream of the neuron-specific c-*src* N1 exon. KHSRP is involved in mRNA decay and microRNA precursor maturation of select miRNAs from their primary transcript. KHSRP is expressed in neural as well as non-neural cell lines.[1-3]

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~ 1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage freeze in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a working concentration of 0.25-0.50 µg/mL is recommended using whole extracts of mouse NIH-3T3 cells.
A working concentration of 0.5-1.0 µg/mL is recommended using whole extracts of rat B35 cells.

Immunoprecipitation: a working amount of 1-2 µg is recommended using lysates of human HEK-293T cells.

Note: In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test.

References

1. Min, H., et al., *Genes & Dev.*, **11**, 1023-1036 (1997).
2. Nicastro, G., et al., *Nat. Struct. Mol. Biol.*, **19**, 1282-1286 (2012).
3. Gherzi, R., et al., *Wiley Interdiscip. Rev. RNA,* **1**, 230-239 (2010).

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