

KHDRBS1 antibody - N-terminal region Rabbit Polyclonal Antibody

Catalog # Al11782

Specification

KHDRBS1 antibody - N-terminal region - Product Information

Application Primary Accession Other Accession Reactivity

Predicted Host Clonality Calculated MW WB, IHC <u>Q07666</u> <u>NM_006559</u>, <u>NP_006550</u> Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog Human, Rabbit, Horse, Bovine, Dog Rabbit Polyclonal 48kDa KDa

KHDRBS1 antibody - N-terminal region - Additional Information

Gene ID 10657

Alias Symbol

FLJ34027, Sam68, p62, p68

Other Names KH domain-containing, RNA-binding, signal transduction-associated protein 1, GAP-associated tyrosine phosphoprotein p62, Src-associated in mitosis 68 kDa protein, Sam68, p21 Ras GTPase-activating protein-associated p62, p68, KHDRBS1 (HGNC:18116)

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-KHDRBS1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions KHDRBS1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KHDRBS1 antibody - N-terminal region - Protein Information

Name KHDRBS1 (<u>HGNC:18116</u>)

Function

Recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. Role in G2-M progression in the cell cycle. Represses CBP-dependent transcriptional activation apparently by competing with other



nuclear factors for binding to CBP. Also acts as a putative regulator of mRNA stability and/or translation rates and mediates mRNA nuclear export. Positively regulates the association of constitutive transport element (CTE)-containing mRNA with large polyribosomes and translation initiation. According to some authors, is not involved in the nucleocytoplasmic export of unspliced (CTE)-containing RNA species according to (PubMed:22253824). RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds to RNA containing 5'-[AU]UAA- 3' as a bipartite motif spaced by more than 15 nucleotides. Binds poly(A). Can regulate CD44 alternative splicing in a Ras pathway-dependent manner (PubMed:22080397). In cooperation with HNRNPA1 modulates alternative splicing of BCL2L1 by promoting splicing toward isoform Bcl-X(S), and of SMN1 (PubMed:20186123). Can regulate alternative splicing toward isoform Bcl-X(S), and of SMN1 (PubMed:20186123). Can regulate alternative splicing of BCL2L1 by promoting splicing toward isoform Bcl-X(S), and of SMN1 (PubMed:20186123). Can regulate alternative splicing of NRXN1 and NRXN3 in the laminin G-like domain 6 containing the evolutionary conserved neurexin alternative spliced segment 4 (AS4) involved in neurexin selective targeting to postsynaptic partners. In a neuronal activity-dependent manner cooperates synergistically with KHDRBS2/SLIM-1 in regulation of NXRN3 alternative splicing at AS4 (By similarity).

Cellular Location

Nucleus. Cytoplasm. Membrane Note=Predominantly located in the nucleus but also located partially in the cytoplasm.

Tissue Location

Ubiquitously expressed in all tissue examined. Isoform 1 is expressed at lower levels in brain, skeletal muscle, and liver whereas isoform 3 is intensified in skeletal muscle and in liver

KHDRBS1 antibody - N-terminal region - 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>

KHDRBS1 antibody - N-terminal region - Images



WB Suggested Anti-KHDRBS1 Antibody Titration: 0.2-1 $\mu\text{g/ml}$ Positive Control: Human heart



Rabbit Anti-KHDRBS1 antibody Paraffin Embedded Tissue: Human Heart cell Cellular Data: cardiac cell of renal tubule Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X

KHDRBS1 antibody - N-terminal region - References

Duran,A., (2008) Cancer Cell 13 (4), 343-354 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.