

**KHDRBS1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11782****Specification**

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**KHDRBS1 antibody - N-terminal region - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, IHC   |
| Primary Accession | <a href="#">Q07666</a>                                |
| Other Accession   | <a href="#">NM_006559</a> , <a href="#">NP_006550</a> |
| Reactivity        | Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog         |
| Predicted Host    | Human, Rabbit, Horse, Bovine, Dog                     |
| Clonality         | Rabbit  |
| Calculated MW     | Polyclonal<br>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 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=18116](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=18116))  
target="\_blank">HGNC:18116</a>)

**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 ([HGNC:18116](#))**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:<a href="http://www.uniprot.org/citations/22253824" target="\_blank">22253824</a>). 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 (By similarity). In cooperation with HNRNPA1 modulates alternative splicing of BCL2L1 by promoting splicing toward isoform Bcl-X(S), and of SMN1 (PubMed:<a href="http://www.uniprot.org/citations/17371836" target="\_blank">17371836</a>, PubMed:<a href="http://www.uniprot.org/citations/20186123" target="\_blank">20186123</a>). Can regulate alternative splicing of NRXN1 and NRXN3 in the laminin G-like domain 6 containing the evolutionary conserved neuexin alternative spliced segment 4 (AS4) involved in neuexin selective targeting to postsynaptic partners. In a neuronal activity-dependent manner cooperates synergistically with KHDRBS2/SLIM-1 in regulation of NRXN1 exon skipping at AS4. The cooperation with KHDRBS2/SLIM-1 is antagonistic for 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

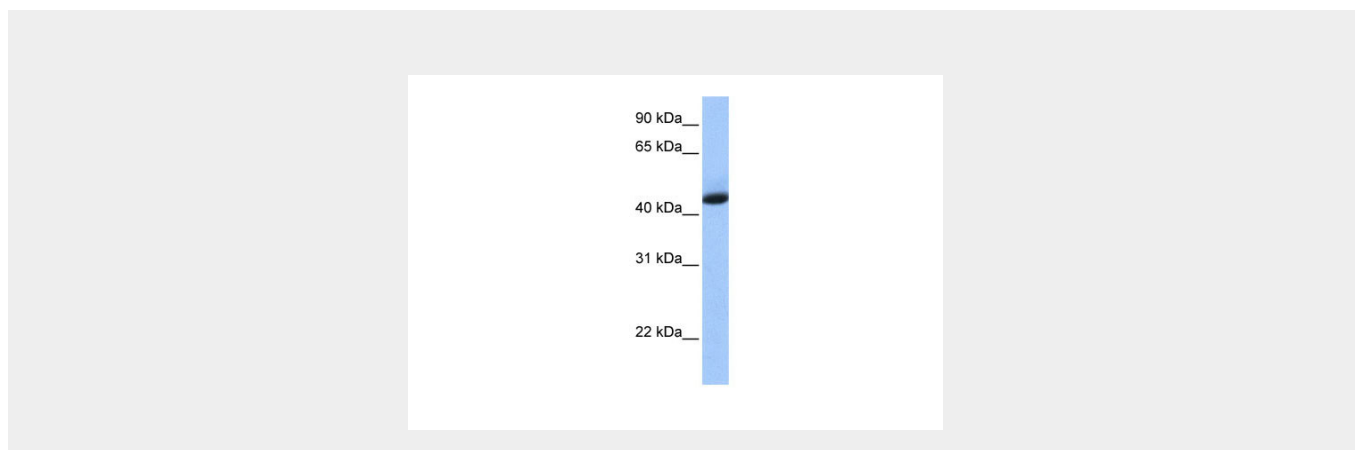
Ubiquitously expressed in all tissue examined. Isoform 1 is expressed at lower levels in brain, skeletal muscle, and liver whereas isoform 3 is intensified in skeletal muscle and in liver

#### KHDRBS1 antibody - N-terminal region - Protocols

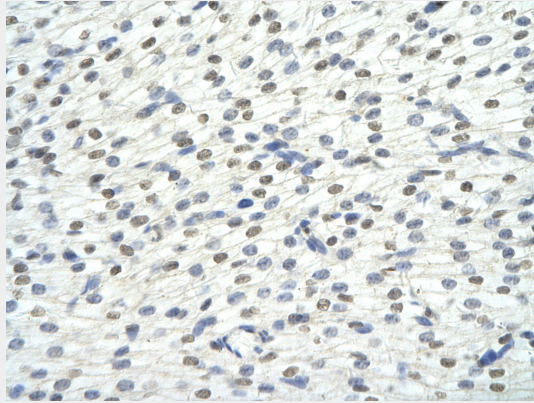
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### 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  $\mu\text{g/ml}$   
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.