

# KHDRBS1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11782

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q07666</a>
<b>Other Accession</b>	<a href="#">NM_006559</a> , <a href="#">NP_006550</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
<b>Predicted</b>	Human, Rabbit, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	48227

## Additional Information

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<b>Gene ID</b>	10657
<b>Alias Symbol</b>	FLJ34027, Sam68, p62, p68
<b>Other Names</b>	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 ( <a href="#">HGNC:18116</a> )
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	KHDRBS1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KHDRBS1 ( <a href="#">HGNC:18116</a> )
<b>Function</b>	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:[26080397](#)). In cooperation with HNRNPA1 modulates alternative splicing of BCL2L1 by promoting splicing toward isoform Bcl-X(S), and of SMN1 (PubMed:[17371836](#), 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 NRXN1 exon skipping at AS4. The cooperation with KHDRBS2/SLIM-1 is antagonistic for regulation of NRXN3 alternative splicing at AS4 (By similarity).

#### Cellular Location

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

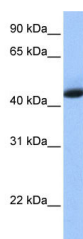
#### Tissue Location

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

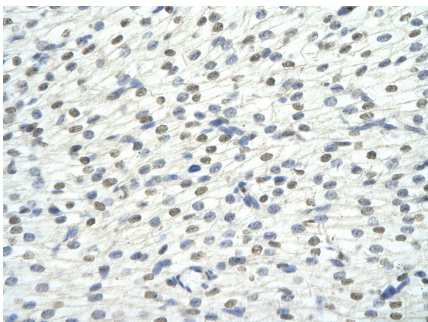
## References

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.

## Images



WB Suggested Anti-KHDRBS1 Antibody Titration: 0.2-1 µg/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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.