abcam

Product datasheet

Anti-KHDRBS3 antibody ab81545

Overview

Product name	Anti-KHDRBS3 antibody
Description	Rabbit polyclonal to KHDRBS3
Host species	Rabbit
Tested applications	**Suitable for:** IHC-Fr, IHC-P, WB
Species reactivity	**Reacts with:** Human
	Predicted to work with: Mouse, Rat
Immunogen	Synthetic peptide derived from the N terminal domain of Human KHDRBS3

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab81545 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		1/100 - 1/500.
IHC-P		Use at an assay dependent concentration.
WB		1/500 - 1/5000. Predicted molecular weight: 39 kDa.

Target

Function	RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. May play a role as a negative regulator of cell growth. Inhibits cell proliferation. Involved in splice site selection of vascular endothelial growth factor. Induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer. RNA-binding abilities are down-regulated by tyrosine kinase PTK6. Involved in post-transcriptional regulation of HIV-1 gene expression.
Tissue specificity	Ubiquitous with higher expression in testis, skeletal muscle and brain. Expressed in the kidney only in podocytes, the glomerular epithelial cells of the kidney. Strongly expressed after meiosis.
Sequence similarities	Belongs to the KHDRBS family. Contains 1 KH domain.
Domain	The proline-rich site binds the SH3 domain of the p85 subunit of PI3-kinase.
Post-translational modifications	Phosphorylated on tyrosine residues. Isoform 1 C-terminal region is tyrosine-rich, but isoform 2 lacking this C-terminal region is also tyrosine-phosphorylated.
Cellular localization	Nucleus. Localized in a compartment adjacent to the nucleolus, but distinct from the peri-nucleolar one.

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