

For Research Use Only

# KHDRBS3 Polyclonal antibody

Catalog Number: 13563-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 13563-1-AP	<b>GenBank Accession Number:</b> BC032606	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10656	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> KH domain containing, RNA binding, signal transduction associated 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 346 aa, 38, 8 kDa	
<b>Immunogen Catalog Number:</b> AG4438	<b>Observed MW:</b> 55 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse brain tissue, BGC-823 cells, A549 cells, human brain tissue

IHC : human gliomas tissue,

## Background Information

KH domain-containing, RNA-binding, signal transduction-associated protein 3 (KHDRBS3, SLM2) is a RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion (15901763). 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 (11741900). 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. This antibody is a rabbit polyclonal antibody raised against a full-length human KHDRBS3 protein. The observed molecular weight of KHDRBS3 is about 55kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Peiqi Wu	31296839	Cell Death Dis	WB
Ehrmann Ingrid I	23637638	PLoS Genet	WB
Neumann Manuela M	22842875	Acta Neuropathol	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

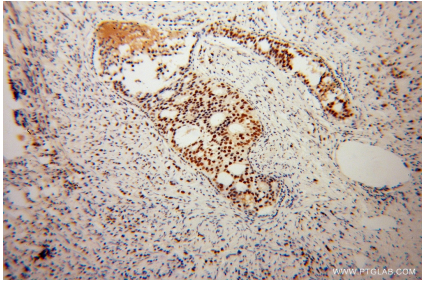
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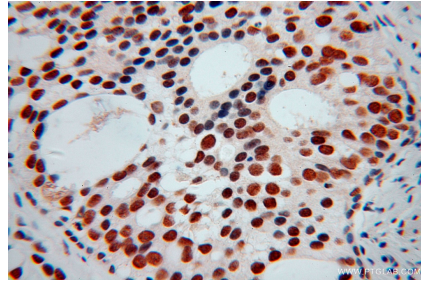
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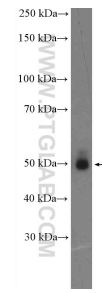
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human gliomas using 13563-1-AP (KHDRBS3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas using 13563-1-AP (KHDRBS3 antibody) at dilution of 1:100 (under 40x lens).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13563-1-AP (KHDRBS3 Antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.