

For Research Use Only

# QKI Polyclonal antibody

Catalog Number: 13169-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

13169-1-AP

### Concentration:

600 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3822

### GenBank Accession Number:

BC019917

### GeneID (NCBI):

9444

### UNIPROT ID:

Q96PU8

### Full Name:

quaking homolog, KH domain RNA binding (mouse)

### Calculated MW:

341 aa, 38 kDa

### Observed MW:

38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:150-1:600

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### 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 : Neuro-2a cells, PC-12 cells

IP : K-562 cells,

IHC : human stomach cancer tissue,

## Background Information

QKI (Quaking) is RNA-binding protein that plays a central role in myelination (PMID: 16641098). It regulates pre-mRNA splicing, mRNA export and protein translation (PMID: 16641098). It acts upstream of or within several processes, including long-chain fatty acid biosynthetic process, positive regulation of macromolecule metabolic process and vasculogenesis. QKI shuttles internal m7G-modified transcripts into stress granules and modulates mRNA metabolism. It is expressed in the frontal cortex of brain (PMID: 16342280).

## Notable Publications

Author	Pubmed ID	Journal	Application
Rui Tong	31587336	Clin Exp Pharmacol Physiol	
Rui Tong	31786621	Naunyn Schmiedebergs Arch Pharmacol	WB
Jing Guo	31191799	Oxid Med Cell Longev	WB

## 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

For technical support and original validation data for this product please contact:

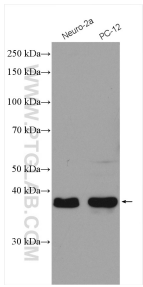
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

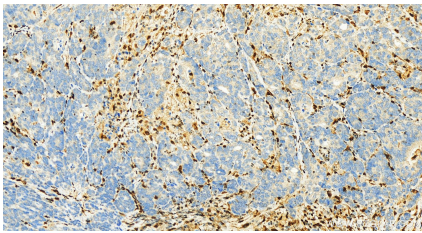
W: [ptgcn.com](http://ptgcn.com)

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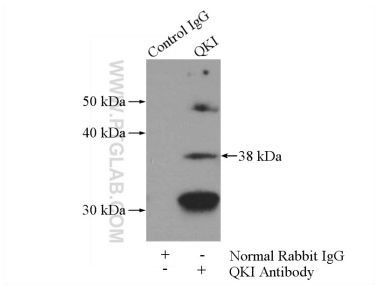
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13169-1-AP (QKI antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 13169-1-AP (QKI antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-QKI (IP:13169-1-AP, 4ug; Detection:13169-1-AP 1:400) with K-562 cells lysate 3600ug.