

For Research Use Only

QKI Polyclonal antibody

Catalog Number: 13169-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

13169-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

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

Positive Controls:

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

IP : K-562 cells,

IHC : human stomach cancer tissue,

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

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

*** 20ul sizes contain 0.1% BSA

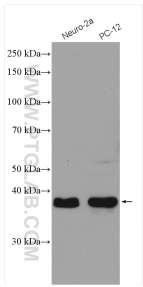
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

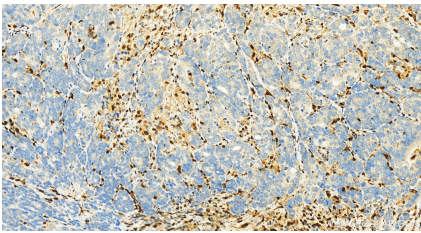
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

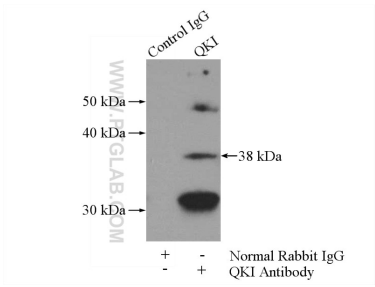
Selected Validation Data



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.