

For Research Use Only

PYK2 Polyclonal antibody

Catalog Number: 17592-1-AP

8 Publications



Basic Information

Catalog Number:

17592-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 527 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11487

GenBank Accession Number:

BC042599

GeneID (NCBI):

2185

UNIPROT ID:

Q14289

Full Name:

PTK2B protein tyrosine kinase 2 beta

Calculated MW:

1009 aa, 116 kDa

Observed MW:

112-115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:3000-1:10000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IP

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 : Jurkat cells, rat brain tissue, mouse brain tissue

IP : mouse brain tissue,

IHC : human kidney tissue, human brain tissue

Background Information

Proline-rich tyrosine kinase 2 (Pyk2; also known as CAK, RAFTK and CADTK) is a cytoplasmic tyrosine kinase implicated to play a role in several intracellular signaling pathways. It is expressed in many cells and tissues and migrated as a 130 kDa band in Western Blotting analysis. The size of PYK2 is 115 kDa, and it expressed in many cells and tissues and migrated as a 130 kDa band, but several lower molecular weight bands (75 kDa, 80 kDa, and 97 kDa) were seen in Western Blotting analysis, possibly due to proteolytic degradation.

Notable Publications

Author	Pubmed ID	Journal	Application
Maya Barad	33242826	EBioMedicine	IHC
Chengfei Zhang	32518369	Mucosal Immunol	WB
Chung-Chih Yang	29978476	Int J Cancer	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

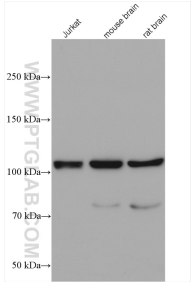
For technical support and original validation data for this product please contact:

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

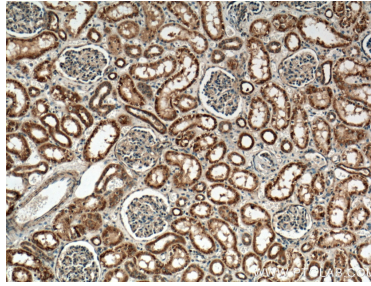
E: proteintech@ptglab.com
W: ptglab.com

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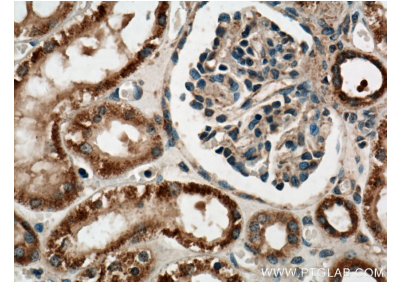
Selected Validation Data



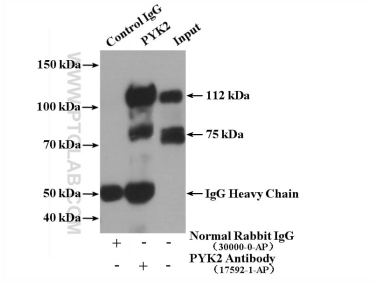
Various lysates were subjected to SDS PAGE followed by western blot with 17592-1-AP (PYK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17592-1-AP (PYK2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17592-1-AP (PYK2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PYK2 (IP:17592-1-AP, 4ug;
Detection:17592-1-AP 1:500) with mouse brain
tissue lysate 2640ug.