

For Research Use Only

# PYK2 Polyclonal antibody

Catalog Number: 17592-1-AP **4 Publications**



## Basic Information

**Catalog Number:**

17592-1-AP

**Size:**

150UL, Concentration: 1000 µg/ml by 2185 Nanodrop and 527 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11487

**GenBank Accession Number:**

BC042599

**GeneID (NCBI):**

2185

**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 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, 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: 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

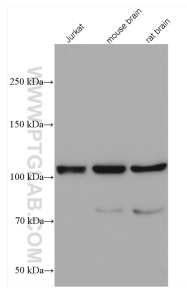
For technical support and original validation data for this product please contact:

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

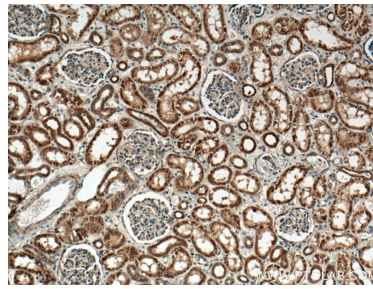
E: proteintech@ptglab.com  
W: ptglab.com

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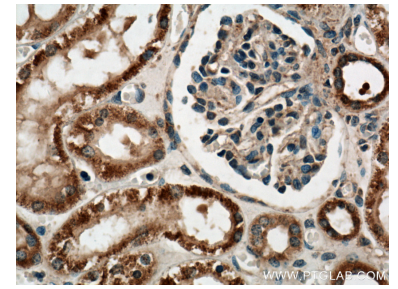
## Selected Validation Data



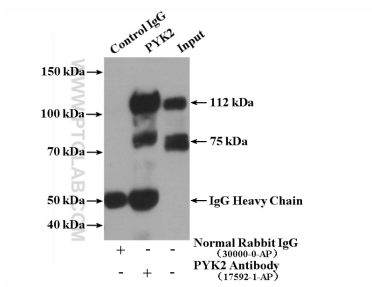
Various lysates were subjected to SDS PAGE followed by western blot with 17592-1-AP (PYK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.