

For Research Use Only

# PYK2 Monoclonal antibody

Catalog Number: 67141-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67141-1-Ig	<b>GenBank Accession Number:</b> BC042599	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2185	<b>CloneNo.:</b> 2A10G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14289	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> PTK2B protein tyrosine kinase 2 beta	
<b>Immunogen Catalog Number:</b> AG11487	<b>Calculated MW:</b> 1009 aa, 116 kDa	
	<b>Observed MW:</b> 112-115 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, mouse brain tissue, K-562 cells, Ramos cells, pig brain tissue IHC : mouse brain tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Zhe Zhuang	39386645	bioRxiv	WB

## Storage

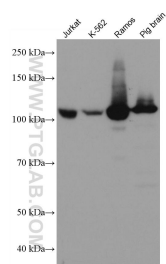
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
Aliquoting is unnecessary for -20°C storage

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

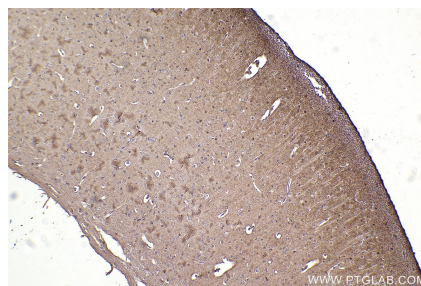
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

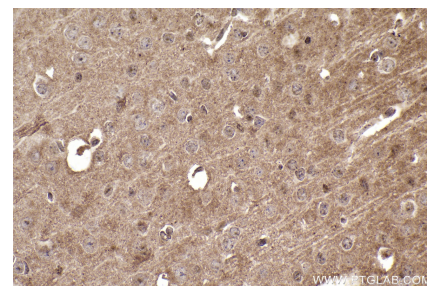
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67141-1-Ig (PYK2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67141-1-Ig (PYK2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67141-1-Ig (PYK2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).