

For Research Use Only

PYK2 Monoclonal antibody

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



Basic Information

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

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Jurkat cells, mouse brain tissue, K-562 cells, Ramos cells, pig brain tissue IHC : mouse brain tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat, pig	
Cited Species: human	
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

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

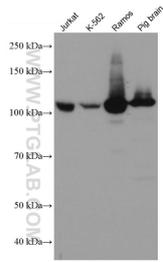
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

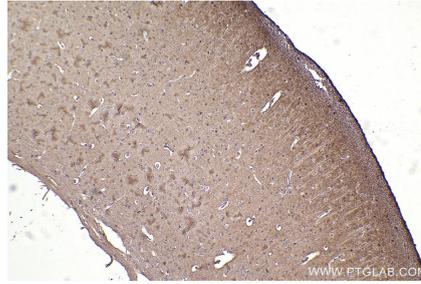
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

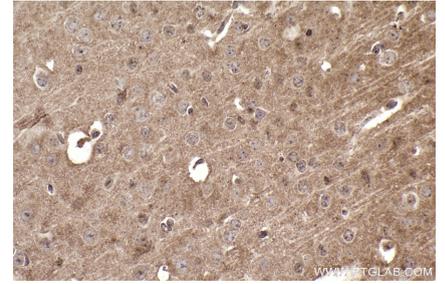
Selected Validation Data



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).