

For Research Use Only

# Marcks Polyclonal antibody

Catalog Number: 10004-2-Ig

Featured Product

12 Publications



## Basic Information

<b>Catalog Number:</b> 10004-2-Ig	<b>GenBank Accession Number:</b> BC046601	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 µg/ml by Nanodrop and 947 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 17118	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> myristoylated alanine rich protein kinase C substrate	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 88 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, IHC : mouse pancreas tissue,
<b>Cited Applications:</b> IF, IHC, IP, WB	
<b>Species Specificity:</b> mouse	
<b>Cited Species:</b> rat, mouse, bovine	

**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

MARCKS is a member of MARCKS family of PKC substrate and it is also a widely accepted indicator of PKC activation. It shows a ubiquitous tissue distribution. The calculated molecular weight of MARCKS is 39 kDa and its apparent molecular weights were found at 68 kDa to 90 kDa in different species. This protein is a known to regulated cytoskeleton remodeling and membrane recycling. The anti-MARCKS antibody is raised against purified MARCKS protein from mouse brain using a method similar to that previously reported for MacMARCKS

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenzhen Chen	29588366	J Biol Chem	WB, IHC
Qing-Yan Zhang	35850487	Mol Cell Endocrinol	WB
Mingyue Zhong	35726797	Food Funct	WB

## Storage

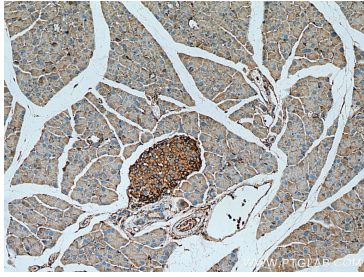
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

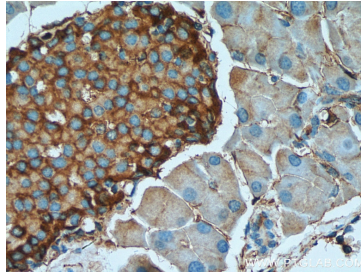
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 10004-2-Ig (Marcks 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 mouse pancreas tissue slide using 10004-2-Ig (Marcks antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10004-2-Ig (Marcks antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.