

# THEM4 Monoclonal antibody

Catalog Number: 68923-1-Ig

## Basic Information

<b>Catalog Number:</b> 68923-1-Ig	<b>GenBank Accession Number:</b> BC065277	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 117145	<b>CloneNo.:</b> 1C12B9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q5T1C6	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> thioesterase superfamily member 4	
<b>Immunogen Catalog Number:</b> AG6296	<b>Calculated MW:</b> 27 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A375 cells, HepG2 cells, HeLa cells, DU 145 cells, LNCaP cells, HEK-293 cells, K-562 cells, TF-1 cells, HL-60 cells
<b>Species Specificity:</b> human	

## Background Information

THEM4, which stands for thioesterase superfamily member 4, is a gene in humans that encodes a protein involved in the regulation of the protein kinase B (PKB), also known as Akt pathway. This gene is ubiquitously expressed in various tissues, with notable expression in the kidney and testis. THEM4 can also promote the proliferation of tumor cells by positively regulating Akt activity in breast cancer and nasopharyngeal carcinoma, which presents a contrasting role to its initial characterization.

## Storage

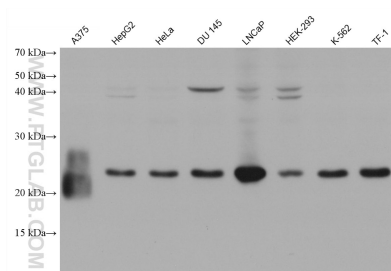
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://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 68923-1-Ig (THEM4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.