

For Research Use Only

# THEM4 Monoclonal antibody, PBS Only

Catalog Number: 68923-1-PBS



## Basic Information

<b>Catalog Number:</b> 68923-1-PBS	<b>GenBank Accession Number:</b> BC065277	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 117145	<b>CloneNo.:</b> 1C12B9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q5T1C6	
<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

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
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

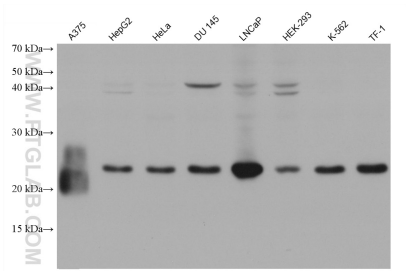
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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# 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. This data was developed using the same antibody clone with 68923-1-PBS in a different storage buffer formulation.