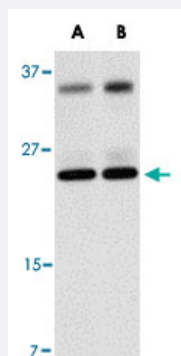


# THEM4 polyclonal antibody

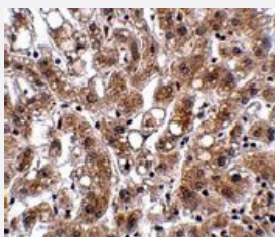
Catalog # PAB16766      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of THEM4 in human liver tissue lysate with THEM4 polyclonal antibody (Cat # PAB16766) at (A) 1 and (B) 2 ug/mL .



### Immunohistochemistry

Immunohistochemistry of THEM4 in human liver tissue with THEM4 polyclonal antibody (Cat # PAB16766) at 2.5 ug/mL .

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of THEM4.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region 18 amino acids of human THEM4.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of THEM4 in human liver tissue lysate with THEM4 polyclonal antibody (Cat # PAB16766) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry

Immunohistochemistry of THEM4 in human liver tissue with THEM4 polyclonal antibody (Cat # PAB16766) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — THEM4

Entrez GeneID	<a href="#">117145</a>
Protein Accession#	<a href="#">NP_444283</a>
Gene Name	THEM4
Gene Alias	CTMP, MGC29636
Gene Description	thioesterase superfamily member 4
Omim ID	<a href="#">606388</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Protein kinase B (PKB) is a major downstream target of receptor tyrosine kinases that signal via phosphatidylinositol 3-kinase. Upon cell stimulation, PKB is translocated to the plasma membrane, where it is phosphorylated in the C-terminal regulatory domain. The protein encoded by this gene negatively regulates PKB activity by inhibiting phosphorylation. Transcription of this gene is commonly downregulated in glioblastomas. [provided by RefSeq]
Other Designations	C-terminal modulator protein OTTHUMP00000015248

## Publication Reference

- [The Akt C-terminal modulator protein is an acyl-CoA thioesterase of the Hotdog-Fold family.](#)  
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Biochemistry 2009 Jun; 48(24):5507.
- [Carboxy-Terminal Modulator Protein \(CTMP\) is a mitochondrial protein that sensitizes cells to apoptosis.](#)  
Parcellier A, Tintignac LA, Zhuravleva E, Cron P, Schenk S, Bozulic L, Hemmings BA.  
Cellular Signalling 2009 Jan; 21(4):639.
- [Hypermethylation and transcriptional downregulation of the carboxyl-terminal modulator protein gene in glioblastomas.](#)  
Knobbe CB, Reifenberger J, Blaschke B, Reifenberger G.  
Journal of the National Cancer Institute 2004 Mar; 96(6):483.