

CTMP Rabbit pAb

CatalogNo: YN8588

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 26kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human CTMP

Specificity This antibody detects endogenous levels of CTMP at Human, Mouse, Rat

| Target Information

Gene name THEM4 CTMP

Protein Name	Thioesterase superfamily member 4 (Carboxyl-terminal modulator protein)		
	Organism	Gene ID	UniProt ID
	Human	117145 ;	Q5T1C6 ;
	Mouse	75778 ;	Q3UUI3 ;
	Rat	361992 ;	Q566R0 ;
Cellular Localization	Cell membrane . Cell projection, ruffle membrane . Cytoplasm . Mitochondrion . Mitochondrion inner membrane; Peripheral membrane protein . Mitochondrion intermembrane space . Released from the mitochondria into the cytosol in response to apoptotic stimuli. .		
Tissue specificity	Expressed predominantly in skeletal muscle, testis, uterus, brain and kidney. Down-regulated in glioblastoma or glioma compared to non-neoplastic brain due to promoter hypermethylation.		
Function	Has acyl-CoA thioesterase activity towards medium and long-chain (C14 to C18) fatty acyl-CoA substrates, and probably plays a role in mitochondrial fatty acid metabolism. Plays a role in the apoptotic process, possibly via its regulation of AKT1 activity. According to PubMed:11598301, inhibits AKT1 phosphorylation and activity. According to PubMed:17615157, enhances AKT1 activity by favoring its phosphorylation and translocation to plasma membrane.		

Validation Data

Contact information

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CTMP Rabbit pAb

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