

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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