



# CTMP Rabbit pAb

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-18959                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>                   | THEM4 CTMP                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                   | Synthesized peptide derived from human CTMP                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                 | This antibody detects endogenous levels of CTMP at Human, Mouse,Rat                                                                                                                                                                                                                                                         |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                     |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                       |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                    | THEM4;EC:3.1.2.2;Carboxyl-terminal modulator protein;Acyl-coenzyme A thioesterase THEM4;Acyl-CoA thioesterase THEM4;THEM4 CTMP; Thioesterase superfamily member 4 (Carboxyl-terminal modulator protein)                                                                                                                     |
| <b>Observed Band</b>               | 26 kDa                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated Molecular Weight</b> | 27 kDa                                                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>                | 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.                                                                                                                                   |
| <b>Tissue Specificity</b>          |                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                    | 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. .                                                          |
| <b>Background</b>                  | 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.

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images