



CTMP Mouse mAb

Catalog No	YP-mAb-18959
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	THEM4 CTMP
Immunogen	Synthesized peptide derived from human CTMP
Specificity	This antibody detects endogenous levels of CTMP at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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)
Observed Band	26 kDa
Calculated Molecular Weight	27 kDa
Cell Pathway	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.
Tissue Specificity	
Function	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. .
Background	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