

CTMP rabbit pAb

Catalog No :	YN8588
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	THEM4
Gene Name :	THEM4 CTMP
Protein Name :	Thioesterase superfamily member 4 (Carboxyl-terminal modulator protein)
Human Gene Id :	117145
Human Swiss Prot No :	Q5T1C6
Mouse Gene Id :	75778
Mouse Swiss Prot No :	Q3UUI3
Rat Gene Id :	361992
Rat Swiss Prot No :	Q566R0
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

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

Molecularweight : 26kD

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.

Subcellular Location : 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. .

Expression : 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.

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