Anti-RTCD1 antibody

Description	Rabbit polyclonal to RTCD1.

Model	STJ95552
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human RTCD1
Immunogen Region	290-370 aa, C-terminal
Gene ID	8634
Gene Symbol	RTCA
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	RTCD1 Polyclonal Antibody detects endogenous levels of RTCD1 protein.
Tissue Specificity	Ubiquitous.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	RNA 3'-terminal phosphate cyclase RNA cyclase RNA-3'-phosphate cyclase RNA terminal phosphate cyclase domain-containing protein 1 RTC domain-containing protein 1
Molecular Weight	34 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17981OMIM:611286
Alternative Names	RNA 3'-terminal phosphate cyclase RNA cyclase RNA-3'-phosphate cyclase RNA terminal phosphate cyclase domain-containing protein 1 RTC domain-containing protein 1
Function	Catalyzes the conversion of 3'-phosphate to a 2',3'-cyclic phosphodiester at the end of RNA. The mechanism of action of the enzyme occurs in 3 steps: (A) adenylation of the enzyme by ATP; (B) transfer of adenylate to an RNA-N3'P to produce RNA-N3'PP5'A; (C) and attack of the adjacent 2'-hydroxyl on the 3'-phosphorus in the diester linkage to produce the cyclic end product. The biological role of this enzyme is unknown but it is likely to function in some aspects of cellular RNA processing.
Cellular Localization	Nucleus, nucleoplasm.