

Anti-CABIN antibody



Description	Unconjugated Rabbit polyclonal to CABIN
Model	STJ190620
Host	Rabbit
Reactivity	Human, Rat
Applications	ELISA, WB
Gene ID	23523
Gene Symbol	CABIN1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CABIN Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed in different tissues.
Purification	CABIN antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calcineurin-binding protein cabin-1 Calcineurin inhibitor CAIN
Molecular Weight	244 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:24187OMIM:604251
Alternative Names	Calcineurin-binding protein cabin-1 Calcineurin inhibitor CAIN
Function	May be required for replication-independent chromatin assembly. May serve as a negative regulator of T-cell receptor (TCR) signaling via inhibition of calcineurin. Inhibition of activated calcineurin is dependent on both PKC and calcium signals. Acts as a negative regulator of p53/TP53 by keeping p53 in an inactive state on chromatin at promoters of a subset of it's target genes.
Cellular Localization	Nucleus
Post-translational Modifications	Activated through PKC-mediated hyperphosphorylation. Phosphorylation by the DNA damage kinases ATM and CHK2 enhances ubiquitination. Upon genotoxic stress, ubiquitination by the DCX(DDB2) E3 ubiquitin-protein ligase complex targets CABIN1 for proteasomal degradation, leading to the release of p53/TP53.

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