

CABP0910

Product Information

Product SKU:	CABP0910	Gene ID:	5350	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	24kDa	Conjugate:	-
Calculated MW:	6kDa	Isotype:	IgG

Immunogen Information

Background:	The protein encoded by this gene is found as a pentamer and is a major substrate for the cAMP-dependent protein kinase in cardiac muscle. The encoded protein is an inhibitor of cardiac muscle sarcoplasmic reticulum Ca(2+)-ATPase in the unphosphorylated state, but inhibition is relieved upon phosphorylation of the protein. The subsequent activation of the Ca(2+) pump leads to enhanced muscle relaxation rates, thereby contributing to the inotropic response elicited in heart by beta-agonists. The encoded protein is a key regulator of cardiac diastolic function. Mutations in this gene are a cause of inherited human dilated cardiomyopathy with refractory congestive heart failure, and also familial hypertrophic cardiomyopathy.
Recommended Dilution:	WB,1:100 - 1:500 IHC-P,1:50 - 1:200
Synonyms:	PLB; CMD1P; CMH18; Phospho-PLN-T17
Purification Method:	Affinity purification
Immunogen:	A synthetic phosphorylated peptide around T17 of human PLN (NP_002658.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.