

CABP0907

---

## Product Information

<b>Product SKU:</b>	CABP0907	<b>Gene ID:</b>	5350	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

---

## Additional Information

<b>Observed MW:</b>	12KkDa/17kDa	<b>Conjugate:</b>	-
<b>Calculated MW:</b>	6kDa	<b>Isotype:</b>	IgG

---

## Immunogen Information

<b>Background:</b>	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.
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000
<b>Synonyms:</b>	PLB; CMD1P; CMH18; Phospho-PLN-S16
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	A synthetic phosphorylated peptide around S16 of human PLN (NP_002658.1).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.