

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PHOSPHOLAMBAN RABBIT MAB

Cat.#: N262712

Product Name: Anti-Phospholamban Rabbit Monoclonal Antibody

Synonyms: PLN; PLB; Cardiac phospholamban; PLB

UNIPROT ID: P26678

Background: Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca2+. Modulates the contractility of the heart muscle in response to physiological stimuli via its effects on ATP2A2. Modulates calcium re-uptake during muscle relaxation and plays an important role in calcium homeostasis in the heart muscle. The degree of ATP2A2 inhibition depends on the oligomeric state of PLN. ATP2A2 inhibition is alleviated by PLN phosphorylation.

Immunogen: Recombinant protein of human Phospholamban

Applications: WB,IHC-P,IP

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R03-112

MW: Calculated MW: 6 kDa; Observed MW: 12,24 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

Conjugation: Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

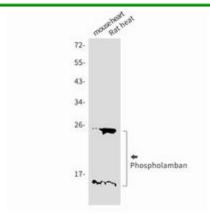
Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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Western blot analysis of Phospho-lamban in mouse heart, rat heat lysates using Phospho-lamban antibody.