
Ca⁺⁺ ATPase Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251713

Unit: 0.1 mg

Description:

*****DISCONTINUED*****

Calcium-transporting ATPase sarcoplasmic reticulum type (Ca⁺⁺ ATPase) is a magnesium-dependent enzyme that catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Defects in ATP2A2 are a cause of acrokeratosis verruciformis (AKV), also known as Hopf disease. AKV is a localized disorder of keratinization, which is inherited as an autosomal dominant trait. Its onset is early in life with multiple flat-topped, flesh-colored papules on the hands and feet, punctate keratoses on the palms and soles, with varying degrees of nail involvement.

Isotype: Mouse IgG2a

Applications: E, IHC, WB

Species Reactivity: Ck, H, Rb, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Sarcoplasmic/endoplasmic reticulum calcium ATPase 2; SERCA2; SR Ca(2+)-ATPase 2; Calcium pump 2; Calcium-transporting ATPase sarcoplasmic reticulum type, slow twitch skeletal muscle isoform; Endoplasmic reticulum class 1/2 Ca(2+) ATPase; Ca⁺⁺ ATPase; ATP2A2; ATP2B

Accession No.: P16615

Antigen: Human erythrocyte Ca²⁺⁺-ATPase.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.