
ATP2C1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254459

Unit: 0.1 mg

Description:

ATP2C1, also known as secretory pathway $\text{Ca}^{2+}/\text{Mn}^{2+}$ -ATPase (SPCA) 1, belongs to the family of P-type cation transport ATPases. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium from the cytosol to the Golgi lumen. Defects in this gene cause Hailey-Hailey disease, an autosomal dominant disorder characterized by persistent blisters and erosions of the skin. Unlike the related protein ATP2C2, ATP2C1 is ubiquitously expressed and displays a lower maximal turnover rate for overall Ca^{2+} -ATPase reaction and a higher apparent affinity for cytosolic Ca^{2+} activation of phosphorylation. Recent evidence suggests that ATP2C1 is a key regulator of insulin-like growth factor receptor (IGF1R) processing in tumor progression in basal breast cancers.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Calcium-transporting ATPase type 2C member 1; ATP2C1A; HHD; BCPM; PMR1; SPCA1; hSPCA1

Accession No.: NP_001001486

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human ATP2C1.

Application Notes: E: 1:500-1:1,000; WB: 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.