
ATP2C1 (4G12) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252961

Unit: 0.1 ml

Description:

ATP2C1 (Calcium-transporting ATPase type 2C member 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. The human homologue, ATP2C1 (also designated SPLA in rat), also regulates the transport of calcium in the Golgi complex and is related to other P-type ATPases family members, such as the sarco(endo)plasmic calcium ATPase (SERCA) and the plasma membrane calcium ATPase (PCMA). ATP2C is a transmembrane protein that exists as two splice variants, which vary by 20 amino acids. Defects in ATP2C1 cause Hailey-Hailey disease, which is an autosomal dominant disorder that is characterized by blisters and erosions of the skin. These findings provide further evidence that PMR1 plays a key role in maintaining the integrity of the epidermis by controlling intracellular calcium signaling.

Isotype: Mouse IgG1

Applications: WB, IHC

Species Reactivity: H, Mk

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Calcium-transporting ATPase type 2C member 1; ATPase 2C1; ATP-dependent Ca(2+) pump PMR1; HUSSY-28; KIAA1347; PMR1L; ATP2C1

Accession No.: P98194

Antigen: Purified recombinant fragment of ATP2C1 expressed in *E. coli*.

Application Notes: WB: 1:500-1:2000; IHC: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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