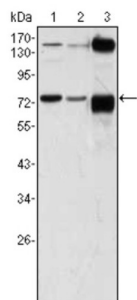
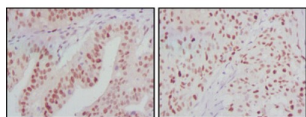


## Calcium-Transporting ATPase Type 2C Member 1 (ATP2C1) Antibody

Catalogue No.: abx010431



Western blot analysis using ATP2C1 antibody against human ATP2C1 (AA: 119-269) recombinant protein. (Expected MW is 41.7 kDa).



Western blot analysis using ATP2C1 antibody against A431 (1), HeLa (2) and HEK293 (3) cell lysate.

ATP2C1, also known as PMR1, it 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). ATP2C1 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.

**Target:** Calcium-Transporting ATPase Type 2C Member 1 (ATP2C1)

**Clonality:** Monoclonal

**Reactivity:** Human, Monkey

**Tested Applications:** ELISA, WB, IHC

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

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

# Datasheet

Version: 4.0.0  
Revision date: 16 Jun 2025



Isotype:	IgG <sub>1</sub>
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P98194 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
GeneID:	<a href="#">27032</a>
KEGG:	hsa:27032
String:	<a href="#">9606.ENSP00000421326</a>
Molecular Weight:	100 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.