

**ATP2C1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant ATP2C1.****Catalog # AT1236a****Specification**

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**ATP2C1 Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | IF, IP, WB, E            |
| Primary Accession | <a href="#">P98194</a>   |
| Other Accession   | <a href="#">BC028139</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 lambda              |
| Calculated MW     | 100577                   |

**ATP2C1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 27032**Other Names**

Calcium-transporting ATPase type 2C member 1, ATPase 2C1, ATP-dependent Ca(2+) pump PMR1, ATP2C1, KIAA1347, PMR1L

**Target/Specificity**

ATP2C1 (AAH28139, 119 a.a. ~ 269 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ATP2C1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

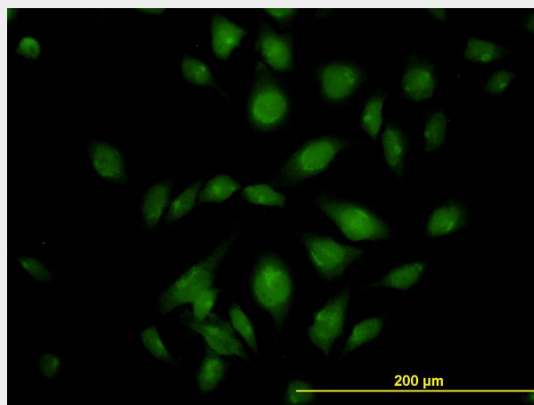
**ATP2C1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

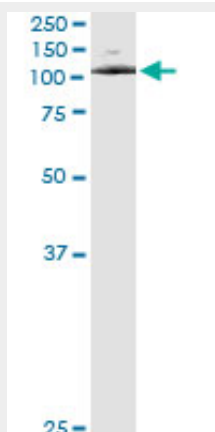
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

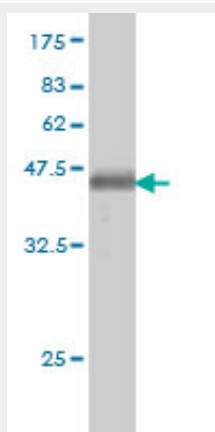
#### ATP2C1 Antibody (monoclonal) (M01) - Images



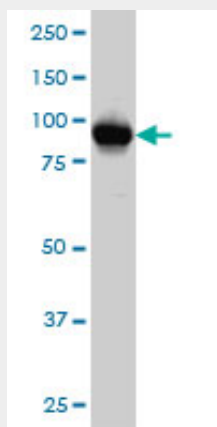
Immunofluorescence of monoclonal antibody to ATP2C1 on HeLa cell. [antibody concentration 10 ug/ml]



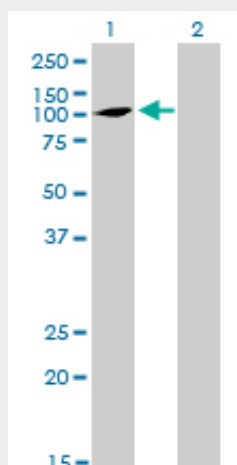
Immunoprecipitation of ATP2C1 transfected lysate using anti-ATP2C1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with ATP2C1 MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.35 KDa) .



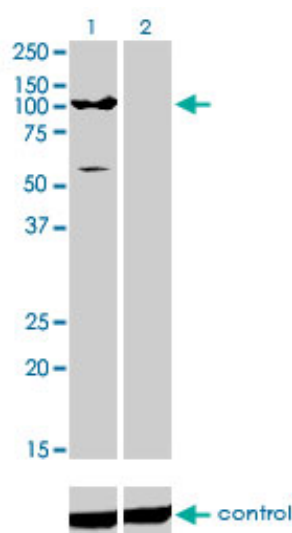
ATP2C1 monoclonal antibody (M01), clone 2G1 Western Blot analysis of ATP2C1 expression in HeLa ( (Cat # AT1236a )



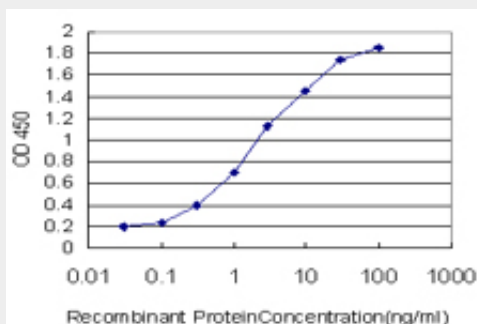
Western Blot analysis of ATP2C1 expression in transfected 293T cell line by ATP2C1 monoclonal antibody (M01), clone 2G1.

Lane 1: ATP2C1 transfected lysate(100.6 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of ATP2C1 over-expressed 293 cell line, cotransfected with ATP2C1 Validated Chimera RNAi (Cat # AT1236a)



Detection limit for recombinant GST tagged ATP2C1 is approximately 0.03ng/ml as a capture antibody.

### ATP2C1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene 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. Defects in this gene cause Hailey-Hailey disease, an autosomal dominant disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.

### ATP2C1 Antibody (monoclonal) (M01) - References

1. Golgi calcium pump secretory pathway calcium ATPase 1 (SPCA1) is a key regulator of insulin-like growth factor receptor (IGF1R) processing in the basal-like breast cancer cell line MDA-MB-231. Grice DM, Vetter I, Faddy HM, Kenny PA, Roberts-Thomson SJ, Monteith GR. J Biol Chem. 2010 Nov 26;285(48):37458-66. Epub 2010 Sep 13.