

## **KB542**

For research use only

## Anti Human ATP2C1 Polyclonal Antibody

Code No.	KB542	250 -
Terget	ATP2C1	100
Category	Enzyme	75-
Gene ID	27032	50 -
Primary Source	HGNC:13211	37 -
Synonyms	HHD; BCPM; PMR1; SPCA1; hSPCA1; ATP2C1A; KIAA1347; ATP2C1	25 -
Туре	Polyclonal Antibody	[WB] ATP2C1 transfected 293T cell lysate
Immunogen	Recombinant protein of full length Human ATP2C1	
Raised in	Mouse	1 °
Myeloma	-	1000
Clone number	-	
Purification	Protein A purified	200 µm
Source	Mouse Serum	[IF] HeLa cell
Source Isotype	Mouse Serum -	[IF] HeLa cell
Source Isotype Cross Reactivity	Mouse Serum - -	[IF] HeLa cell
Source Isotype Cross Reactivity Label	Mouse Serum - - Unlabeled	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration	Mouse Serum - - Unlabeled 0.5 mg/mL	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume)	Mouse Serum - - Unlabeled 0.5 mg/mL 50 µg	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume) Buffer	Mouse Serum - - Unlabeled 0.5 mg/mL 50 µg PBS, pH 7.2	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume) Buffer Storage	Mouse Serum - - Unlabeled 0.5 mg/mL 50 μg PBS, pH 7.2 Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume) Buffer Storage	Mouse Serum - - Unlabeled 0.5 mg/mL 50 µg PBS, pH 7.2 Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles. WB,IF	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume) Buffer Storage Application	Mouse Serum Unlabeled 0.5 mg/mL 50 μg PBS, pH 7.2 Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles. WB,IF ELISA WB IHC ICC	[IF] HeLa cell
Source Isotype Cross Reactivity Label Concentration Contents (Volume) Buffer Storage Application	Mouse Serum Unlabeled 0.5 mg/mL 50 µg PBS, pH 7.2 Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles. WB,IF $ELISA WB IHC ICC$	[IF] HeLa cell

## Reference

1. Hu Z., et al. "Mutations in ATP2C1, encoding a calcium pump, cause Hailey-Hailey disease." Nat. Genet. 24:61-65(2000)

2. Sudbrak R., et al. "Hailey-Hailey disease is caused by mutations in ATP2C1 encoding a novel Ca(2+) pump." Hum. Mol. Genet. 9:1131-1140(2000)

(µg/mL)

3. Fairclough R.J., et al. "Effect of Hailey-Hailey Disease mutations on the function of a new variant of human secretory pathway Ca2+/Mn2+-ATPase (hSPCA1)." J. Biol. Chem. 278:24721-24730(2003)

## **UniPlot Summary**

//Function: This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium.

//Subcellular location: Golgi apparatus membrane; Multi-pass membrane protein.

//Tissue specificity: Found in most tissues except colon, thymus, spleen and leukocytes. Most abundant in keratinocytes and kidney. //Sequence similarities: Belongs to the cation transport ATPase (P-type) family. Type IIA subfamily.

