

Cat. No:	AB-81535
Size:	100ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 111-253 of human ATP2A2 / SERCA2
Reactivity:	Hu,Ms,Rt
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:10 - 1:100
Molecular Weight:	115kDa
Purification:	Aff. Pur.
Synonyms:	ATP2A2; ATP2B; DAR; DD; SERCA2; sarcoplasmic/endoplasmic reticulum calcium ATPase 2
Background:	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol into the sarcoplasmic reticulum lumen, and is involved in regulation of the contraction/relaxation cycle. Mutations in this gene cause Darier-White disease, also known as keratosis follicularis, an autosomal dominant skin disorder characterized by loss of adhesion between epidermal cells and abnormal keratinization. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using ATP2A2 / SERCA2 antibody at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST



Immunohistochemistry of paraffinembedded rat brain using ATP2A2 / SERCA2 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using ATP2A2 / SERCA2 antibody
Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin embedded mouse brain using ATP2A2 / SERCA2 Antibody at dilution

of 1:100 (40x lens).

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