

Anti-ATP2A2 antibody (1-80) (STJ22718)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

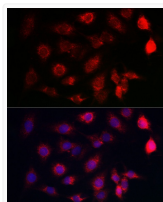
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:2000-1:10000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 115kDa Observed Mw: 115kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

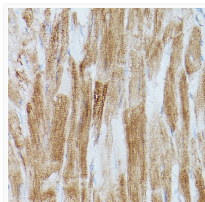
Gene ID	488
Gene Symbol	ATP2A2
UniProt ID	AT2A2_HUMAN
Immunogen Region	1-80
Immunogen Sequence	MENAHKTVEEVVLGHFGVNE STGLSLEQVKLKERWGSNE LPAEEGKTLLELVIEQFEDL LVRILLAAACISFVLAWFEE
Specificity	Recombinant fusion protein containing a sequence within amino acids 1-80 of human SERCA2/ATP2A2 (NP_733765.1).

ADDITIONAL INFORMATION

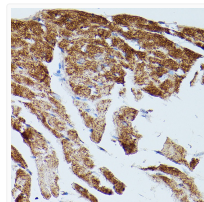
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



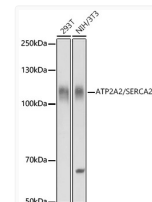
Immunofluorescence analysis of C6 cells using SERCA2/ATP2A2 Rabbit polyclonal antibody (STJ22718) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



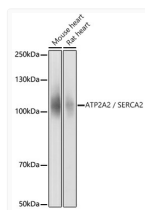
Immunohistochemistry analysis of paraffin-embedded rat heart using SERCA2/ATP2A2 Rabbit polyclonal antibody (STJ22718) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse heart using SERCA2/ATP2A2 Rabbit polyclonal antibody (STJ22718) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using ATP2A2/ SERCA2 antibody (STJ22718) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using ATP2A2/ SERCA2 antibody (STJ22718) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.