

SERCA1 ATPase Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SERCA1 ATPase (1-32aa MEAAHAKTTEECLAYFGVSETTGLTPDQVKRN).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2745951

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	1:250	-

Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For SERCA1 ATPase Polyclonal Antibody

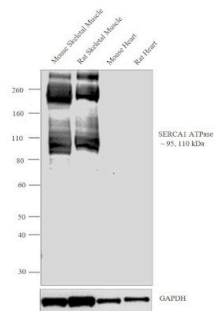


Fig. a

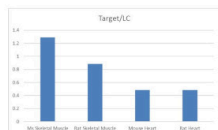


Fig. b

SERCA1 ATPase Antibody (PA5-78835)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Relative expression of SERCA1 ATPase was observed in Mouse Skeletal Muscle, Rat Skeletal Muscle and not in Mouse Heart, Rat Heart using Anti- SERCA1 ATPase Polyclonal Antibody (Product # PA5-78835) in Western Blot. {RE}

SERCA1 ATPase Antibody (PA5-78835) in WB

Western blot was performed using Anti-SERCA1 ATPase Polyclonal Antibody (Product # PA5-78835) and a 110 kDa bands corresponding to SERCA1 ATPase was observed in Mouse Skeletal Muscle, Rat Skeletal Muscle and not in Mouse Heart and Rat Heart which are reported negative for SERCA1 ATPase expression. Tissue extracts (30 µg lysate) of Mouse Skeletal Muscle (Lane 1), Rat Skeletal Muscle (Lane 2), Mouse Heart (Lane 3) and Rat Heart (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001) (Fig. a). The blot was probed with the primary antibody (0.1 µg/mL) and detected by chemiluminescence Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Relative expression of the SERCA1 ATPase in various tissues is shown in the histogram (Fig. b).

SERCA1 ATPase Antibody (PA5-78835) in WB

Western blot analysis of SERCA1 ATPase in Lane 1: rat skeletal muscle tissue lysate, Lane 2: mouse skeletal muscle tissue lysate using 50 µg per well. Sample was incubated with SERCA1 ATPase (Product # PA5-78835) at a dilution of 0.5 µg/mL.



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