

Rabbit anti-Mouse Sarcalumenin/Srl Polyclonal Antibody | anti-Srl antibody

Anti-Sarcalumenin/Srl Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127468	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

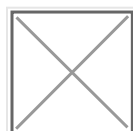
PRODUCT SYNONYMS

Sarcalumenin/Srl; Polyclonal Antibody; Anti-Sarcalumenin/Srl Antibody Picoband; Chromaffin granule amine transporter; solute carrier family 18 member A1; Solute carrier family 18 member 1; Vesicular amine transporter 1; VAT1; SLC18A1; VMAT1; anti-Srl antibody

PRODUCT SPECIFICATIONS

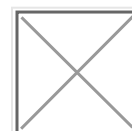
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Highly Expressed in chromaffin cells of the adrenal medulla (at protein level). Detected in peripheral sympathetic ganglia (at protein level). Found in some paracrine cells in stomach and duodenum (at protein level).
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-Srl antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived mouse Sarcalumenin/Srl recombinant protein (Position: R119-M422).
Subcellular Localization	Cytoplasmic vesicle membrane. Multi-pass membrane protein. Synaptic vesicle membrane. Multi-pass membrane protein. Endoplasmic reticulum membrane. Multi-pass membrane protein.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Involved in the transport of biogenic monoamines, such as serotonin, from the cytoplasm into the secretory vesicles of neuroendocrine and endocrine cells.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HEPA1-6 cells using anti-Sarcalumenin/Srl antibody (AAA127468). Overlay histogram showing HEPA1-6 cells stained with AAA127468 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Sarcalumenin/Srl Antibody (AAA127468, 1ug/1x10⁶ cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Sarcalumenin/Srl using anti-Sarcalumenin/Srl antibody (AAA127468). Sarcalumenin/Srl was detected in a paraffin-embedded section of mouse cardiac muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Sarcalumenin/Srl Antibody (AAA127468) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Sarcalumenin/Srl using anti-Sarcalumenin/Srl antibody (AAA127468). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse heart tissue lysates, Lane 2: mouse skeletal muscle tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Sarcalumenin/Srl antigen affinity purified polyclonal antibody (#AAA127468) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Sarcalumenin/Srl at approximately 54 kDa. The expected band size for Sarcalumenin/Srl is at 54 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Srl antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-Srl antibody	Primary Antibodies; Signal Transduction
References	1. Leberer, E., Charuk, J. H. M., Clarke, D. M., Green, N. M., Zubrzycka-Gaarn, E., MacLennan, D. H. Molecular cloning and expression of cDNA encoding the 53,000-dalton glycoprotein of rabbit skeletal muscle sarcoplasmic reticulum. J. Biol. Chem. 264: 3484-3493, 1989. 2. Leberer, E., Charuk, J. H. M., Green, N. M., MacLennan, D. H. Molecular cloning and expression of cDNA encoding a luminal calcium binding glycoprotein from sarcoplasmic reticulum. Proc. Nat. Acad. Sci. 86: 6047-6051, 1989. 3. Scott, A. Personal Communication. Baltimore, Md. 9/30/1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328417
NCBI GeneID	106393
NCBI Accession #	NP_780556.2
NCBI GenBank Nucleotide #	NM_175347.4
UniProt Accession #	Q7TQ48; Q8BS43; A6H5Y7
Molecular Weight	99,184 Da
NCBI Official Full Name	sarcalumenin
NCBI Official Synonym Full Names	sarcalumenin
NCBI Official Symbol	Srl
NCBI Official Synonym Symbols	sar; AW108387; 9830004M20Rik
NCBI Protein Information	sarcalumenin
UniProt Protein Name	Sarcalumenin
UniProt Gene Name	Srl
UniProt Synonym Gene Names	Sar
UniProt Entry Name	SRCA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sarcalumenin-srl-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127468>