

Datasheet for ABIN7599804
anti-Sarcalumenin antibody (AA 119-422)



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Overview

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| Quantity: | 100 µg |
| Target: | Sarcalumenin (SRL) |
| Binding Specificity: | AA 119-422 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Sarcalumenin antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC) |

Product Details

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| Purpose: | Anti-Sarcalumenin/Srl Antibody Picoband® |
| Immunogen: | E.coli-derived mouse Sarcalumenin/Srl recombinant protein (Position: R119-M422). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-Sarcalumenin/Srl Antibody Picoband® (ABIN7599804). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Mouse. 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. |
| Purification: | Immunogen affinity purified. |

Target Details

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| Target: | Sarcalumenin (SRL) |
| Alternative Name: | Srl (SRL Products) |
| Background: | <p>Synonyms: Chromaffin granule amine transporter, Solute carrier family 18 member 1, Vesicular amine transporter 1, VAT1, SLC18A1, VAT1, VMAT1</p> <p>Tissue 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).</p> <p>Background: Sarcalumenin is a protein that in humans is encoded by the SRL gene. Predicted to enable GTP binding activity. Acts upstream of or within response to muscle activity involved in regulation of muscle adaptation and store-operated calcium entry. Predicted to be located in membrane and sarcoplasmic reticulum. Predicted to be active in cytoplasm, intracellular membrane-bounded organelle, and plasma membrane. Is expressed in brain ventricular layer, diaphragm, limb, skeletal musculature, and tail mesenchyme. Orthologous to human SRL (sarcalumenin).</p> |
| Molecular Weight: | 54 kDa |
| Gene ID: | 106393 |

Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Mouse</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Mouse</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cellsMouse</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>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.</p> |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
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Handling

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| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ . |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |