

Datasheet for ABIN7601183 **anti-SRR antibody (AA 3-283)**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SRR
Binding Specificity:	AA 3-283
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SRR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Serine racemase/SRR Antibody Picoband®
Immunogen:	E.coli-derived human Serine racemase/SRR recombinant protein (Position: A3-E283).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Serine racemase/SRR Antibody Picoband® (ABIN7601183). Tested in ELISA, Flow Cytometry, IP, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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

Target:	SRR
Alternative Name:	SRR (SRR Products)
Background:	Synonyms: Dermatoptontin, Tyrosine-rich acidic matrix protein, TRAMP, DPT Tissue Specificity: Expressed in fibroblasts, heart, skeletal muscle, brain and pancreas. Expressed at an intermediate level in lung and kidney, and at a low level in liver and placenta. Expressed at a lower level in fibroblasts from hypertrophic scar lesional skin and in fibroblasts from patients with systemic sclerosis than in normal skin fibroblasts. Background: SRR(serine racemase) is a 37 kDa protein and belongs to the serine/threonine dehydratase family. It plays a role in neuronal activity and a potential biological role in the regulation of N-methyl-D-aspartate (NMDA) receptor activity in these peripheral organs as well. SRR catalyzes the racemization between l- and d-serine.
Molecular Weight:	37 kDa
Gene ID:	63826

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunoprecipitation, 0.5-2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. De Miranda, J., Santoro, A., Engelender, S., Wolosker, H. Human serine racemase: molecular cloning, genomic organization and functional analysis. Gene 256: 183-188, 2000. 2. Henneberger, C., Papouin, T., Oliet, S. H. R., Rusakov, D. A. Long-term potentiation depends on release of D-serine from astrocytes. Nature 463: 232-236, 2010. 3. Labrie, V., Fukumura, R., Rastogi, A., Fick, L. J., Wang, W., Boutros, P. C., Kennedy, J. L., Semeralul, M. O., Lee, F. H., Baker, G. B., Belsham, D. D., Barger, S. W., Gondo, Y., Wong, A. H. C., Roder, J. C. Serine racemase is associated with schizophrenia susceptibility in humans and in a mouse model. Hum. Molec. Genet. 18: 3227-3243, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
---------	-------------

Handling

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.