

ARG45524 anti-Serine racemase antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Serine racemase
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Serine racemase
Species	Human
Immunogen	Recombinant protein containing to human Serine racemase.
Conjugation	Un-conjugated
Alternate Names	SRR; Serine Racemase; ILV1; ISO1; D-Serine Ammonia-Lyase; L-Serine Ammonia-Lyase; D-Serine Dehydratase; L-Serine Dehydratase; EC 5.1.1.18; EC 4.3.1.18; EC 4.3.1.17

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	IP	0.5-2 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	37 kDa	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

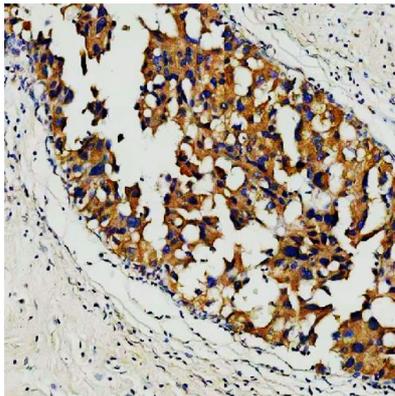
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

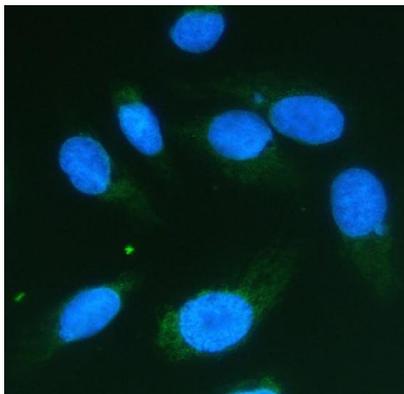
Gene Symbol	SRR
Gene Full Name	Serine Racemase
Background	Enables several functions, including L-serine ammonia-lyase activity; PDZ domain binding activity; and heterocyclic compound binding activity. Involved in carboxylic acid metabolic process and response to lipopolysaccharide. Located in cytoplasm and neuronal cell body. [provided by Alliance of Genome Resources, Feb 2025]
Function	Catalyzes the synthesis of D-serine from L-serine. [UniProt]
Calculated Mw	37 kDa
PTM	S-nitrosylation. [UniProt]
Cellular Localization	Cytoplasm; Cytosol; Cytoskeleton. [UniProt]

Images



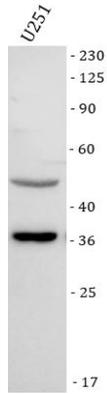
ARG45524 anti-Serine racemase antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45524 anti-Serine racemase antibody at 2 µg/ml dilution.



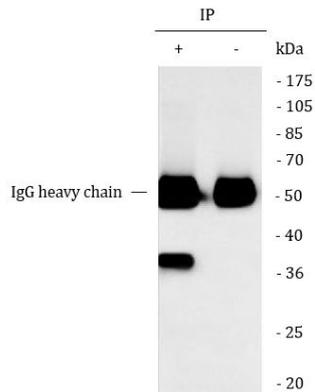
ARG45524 anti-Serine racemase antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45524 anti-Serine racemase antibody at 5 µg/ml dilution.



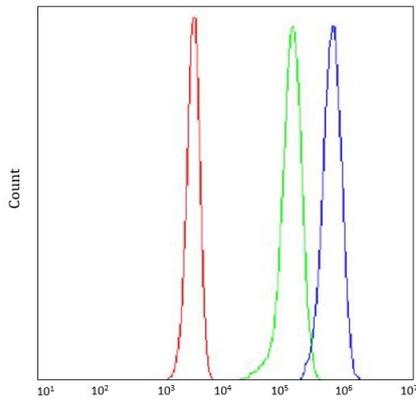
ARG45524 anti-Serine racemase antibody WB image

Western blot: U251 stained with ARG45524 anti-Serine racemase antibody at 0.5 µg/ml dilution.



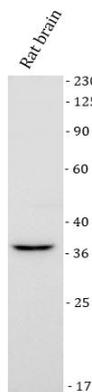
ARG45524 anti-Serine racemase antibody IP image

Immunoprecipitation: SH-SY5Y lysate immunoprecipitated with 2 µg ARG45524 anti-Serine racemase antibody.



ARG45524 anti-Serine racemase antibody FACS image

Flow Cytometry: Jurkat stained with ARG45524 anti-Serine racemase antibody at 1 µg/10⁶ cells dilution.



ARG45524 anti-Serine racemase antibody WB image

Western blot: Rat brain stained with ARG45524 anti-Serine racemase antibody at 0.5 µg/ml dilution.

ARG45524 anti-Serine racemase antibody WB image

Western blot: Mouse brain stained with ARG45524 anti-Serine racemase antibody at 0.5 µg/ml dilution.

