

Anti-Serine racemase antibody



Description	Rabbit polyclonal to Serine racemase.
Model	STJ95621
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human Serine racemase
Immunogen Region	90-170 aa, Internal
Gene ID	63826
Gene Symbol	SRR
Dilution range	IHC 1:100-1:300ELISA 1:5000
Specificity	Serine racemase Polyclonal Antibody detects endogenous levels of Serine racemase protein.
Tissue Specificity	Brain: expressed at high levels in hippocampus and corpus callosum, intermediate levels in substantia nigra and caudate, and low levels in amygdala, thalamus, and subthalamic nuclei. Expressed in heart, skeletal muscle, kidney and liver.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Serine racemase D-serine ammonia-lyase D-serine dehydratase L-serine ammonia-lyase L-serine dehydratase

Molecular Weight	36.566 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14398 OMIM:606477
Alternative Names	Serine racemase D-serine ammonia-lyase D-serine dehydratase L-serine ammonia-lyase L-serine dehydratase
Function	Catalyzes the synthesis of D-serine from L-serine. D-serine is a key coagonist with glutamate at NMDA receptors. Has dehydratase activity towards both L-serine and D-serine.
Post-translational Modifications	S-nitrosylated, leading to decrease the enzyme activity.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com