G-Biosciences Image not found or type unknown

Immunotag™ Serine racemase Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4256
Product Description	Immunotag™ Serine racemase Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Serine racemase
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Serine racemase . at AA range: 90-170
Specificity	Serine racemase Polyclonal Antibody detects endogenous levels of Serine racemase protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SRR
Accession No.	Q9GZT4 Q9QZX7
Alternate Names	SRR; Serine racemase; D-serine ammonia-lyase; D-serine dehydratase; L-serine ammonia-lyase; L-serine dehydratase

Antibody Specification

Description	catalytic activity:L-serine = D-serine.,cofactor:Pyridoxal phosphate.,function:Catalyzes the synthesis of D-serine from L-serine.,similarity:Belongs to the serine/threonine dehydratase family.,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.,
Cell Pathway/ Category	Glycine, serine and threonine metabolism,
Protein Expression	Brain,Fetal brain cortex,Melanoma,
Subcellular Localization	cytoplasm,plasma membrane,neuronal cell body,apical part of cell,
Protein Function	catalytic activity:L-serine = D-serine.,cofactor:Pyridoxal phosphate.,function:Catalyzes the synthesis of D-serine from L-serine.,similarity:Belongs to the serine/threonine dehydratase family.,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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.