

Anti-SR-1B antibody



Description	Rabbit polyclonal to SR-1B.
Model	STJ95758
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human SR-1B
Immunogen Region	180-260 aa, Internal
Gene ID	3351
Gene Symbol	HTR1B
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	SR-1B Polyclonal Antibody detects endogenous levels of SR-1B protein.
Tissue Specificity	Detected in cerebral artery smooth muscle cells (at protein level). Detected in brain cortex, striatum, amygdala, medulla, hippocampus, caudate nucleus and putamen.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	5-hydroxytryptamine receptor 1B 5-HT-1B 5-HT1B S12 Serotonin 1D beta receptor 5-HT-1D-beta Serotonin receptor 1B
Molecular Weight	43 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:5287OMIM:182131
Alternative Names	5-hydroxytryptamine receptor 1B 5-HT-1B 5-HT1B S12 Serotonin 1D beta receptor 5-HT-1D-beta Serotonin receptor 1B
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances, such as lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.
Sequence and Domain Family	Ligands are bound in a hydrophobic pocket formed by the transmembrane helices.
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylated. Desensitization of the receptor may be mediated by its phosphorylation. Palmitoylated.