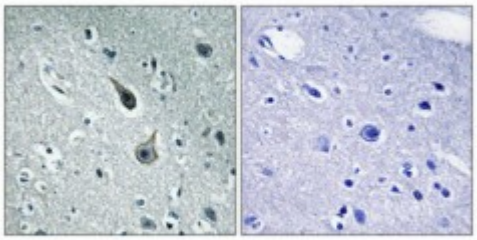
Anti-SR-2A antibody



Description	Rabbit polyclonal to SR-2A.

Model	STJ95761
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human SR-2A
Immunogen Region	400-480 aa, C-terminal
Gene ID	3356
Gene Symbol	HTR2A
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	SR-2A Polyclonal Antibody detects endogenous levels of SR-2A protein.
Tissue Specificity	Detected in brain cortex (at protein level). Detected in blood platelets.
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 2A 5-HT-2 5-HT-2A Serotonin receptor 2A
Molecular Weight	52.603 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:5293OMIM:182135
Alternative Names	5-hydroxytryptamine receptor 2A 5-HT-2 5-HT-2A Serotonin receptor 2A
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin) . Also functions as a receptor for various drugs and psychoactive substances, including mescaline, psilocybin, 1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane (DOI) and 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 . Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways . Signaling activates phospholipase C and a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and promotes the release of Ca(2+) ions from intracellular stores . Affects neural activity, perception, cognition and mood . Plays a role in the regulation of behavior, including responses to anxiogenic situations and psychoactive substances. Plays a role in intestinal smooth muscle contraction, and may play a role in arterial vasoconstriction. (Microbial infection) Acts as a receptor for human JC polyomavirus/JCPyV.
Sequence and Domain Family	The PDZ domain-binding motif is involved in the interaction with PATJ, CASK, APBA1, DLG1 and DLG4.
Cellular Localization	Cell membrane Cell projection, dendrite Cell projection, axon Cytoplasmic vesicle Membrane, caveola. Localizes to the postsynaptic thickening of axo-dendritic synapses.