

5HT2A Receptor SR-2A Antibody FITC Conjugated

Catalog No: #C01689F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	5HT2A Receptor SR-2A Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 40-75 471 derived from human 5HT2A Receptor SR-2A
Conjugates	FITC
Target Name	5HT2A Receptor SR-2A
Other Names	HTR2; 5-HT2A; 5-hydroxytryptamine receptor 2A; 5-HT-2; 5-HT-2A; Serotonin receptor 2A; HTR2A
Accession No.	Swiss-Prot#P28223NCBI Gene ID3356
Uniprot	P28223
GeneID	3356;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

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.

Note: This product is for in vitro research use only