

5HT7 Receptor SR-7 Antibody FITC Conjugated

Catalog No: #C01694F

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Description

Product Name	5HT7 Receptor SR-7 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 derived from human 5HT7 Receptor SR-7
Conjugates	FITC
Target Name	5HT7 Receptor SR-7
Other Names	HT 7; 5 HT X; 5 hydroxytryptamine serotonin receptor 7 adenylate cyclase coupled; 5 hydroxytryptamine serotonin receptor 7; 5 hydroxytryptamine receptor 7; 5-HT-7; 5-HT-X; 5-HT7; 5-hydroxytryptamine receptor 7; 5HT7; 5HT7R_HUMAN; HTR7; Serotonin 5 HT 7 receptor; Serotonin receptor 7.
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

Serotonin (also designated 5-hydroxytryptamine or 5-HT) is a molecule that functions as a neurotransmitter, a hormone and a mitogen, and it is predominantly expressed in the gut, platelets and central nervous system (CNS). In the CNS, serotonin modulates several processes, including anxiety, sleep, appetite, behavior and drug abuse. In platelets and gut, serotonin plays a major role in cardiovascular function and motility of the gastrointestinal tract, respectively. Serotonin mediates its effects through several of G protein coupled receptors, designated 5-HT receptors or alternatively SR receptors. SR-3 is a ligand-gated ion channel, whereas all other known serotonin receptor subtypes are G protein-coupled receptors. SR-4 mediates widespread effects in central and peripheral nervous systems. SR-7 belongs to the superfamily of G protein-coupled receptors. The gene which encodes SR-7 maps to human chromosome 10q21-q24.

Note: This product is for in vitro research use only