

AP01292PU-N**Polyclonal Antibody to Serotonin receptor 5A (HTR5A) - Aff - Purified**

Alternate names:	5-HT-5, 5-HT-5A, 5-HT5A, 5-hydroxytryptamine receptor 5A
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>SR-5B, also designated 5-hydroxytryptamine (serotonin) receptor 5B (5-HT5B) and G protein-coupled receptor 134 (GPR134) is a receptor for the monoamine ligand serotonin (5-hydroxytryptamine, 5-HT). Serotonin is a neurotransmitter derived from serotonergic neurons in the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin actions are mediated by receptors that influence the biochemistry of depression, anxiety, sexuality and appetite. Rat SR-5B is present in serotonergic neurons in dorsal raphe (DR) and central superior nucleus (CS, median raphe nucleus). DR cell bodies showing SR-5B mRNA expression are abundant in the medial portions of the nucleus. CS coexpression of SR-5B receptor mRNA with serotonin transporter mRNA is high in the intermediate portions of the nucleus. Serotonin receptors include SR-1–7 (5HT1–7). Subtypes within the SR-1 group include SR-1A, -1B, -1D, -1E and -1F. Subtypes within the SR-2 group include SR-2A, -2B and -2C. Subtypes within the SR-5 group include SR-5A and -5B. SR receptors can couple to G proteins that act on either adenylate cyclase or phospholipase C (PLC). The SR-3 class of receptors are ion channels.</p>
Uniprot ID:	P47898
NCBI:	NP_076917
GeneID:	3361
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids N-terminus of Human SR-5A.
Format:	<p>State: Liquid purified Ig fraction</p> <p>Purification: Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).</p> <p>Buffer System: Phosphate buffered saline (PBS), pH 7.2</p> <p>Preservatives: 0.05% Sodium azide</p>
Applications:	<p>Western blot: 1/500-1/1000.</p> <p>Immunofluorescence: 1/50-1/200.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Molecular Weight:	~ 40 kDa
Specificity:	This antibody detects endogenous levels of Serotonin receptor-5A / SR-5A (region surrounding Leu35).
Species Reactivity:	<p>Tested: Human.</p> <p>Expected from sequence similarity: Mouse and Rat.</p>

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures: **Western blot** analysis with extracts from Jurkat cells using Serotonin receptor 5A (HTR5A) antibody (Cat.-No. AP01292PU-N).

