

Polyclonal Antibody to Serotonin receptor 5B (HTR5B) - Aff - Purified

Alternate names:	5-HT-5B, 5-HT5B, 5-hydroxytryptamine receptor 5B, 5HT5B, MR22
Catalog No.:	AP01293PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	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 (5-HT1-7). 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.
Uniprot ID:	P35365
NCBI:	XP_001055046
GeneID:	79247
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% (by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH~7.2 with 0.05% Sodium Azide as preservative
Applications:	ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects endogenous levels of SR-5B protein. Species: Human, Rat. Other species not tested.
Add. Information:	Molecular Weight: ~38 kDa

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

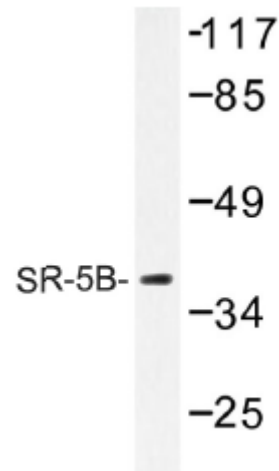
Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody 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 (WB) analysis of SR-5B antibody in extracts from COLO cells.



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