

**SR-5A rabbit pAb****Cat#: orb768680 (Manual)**

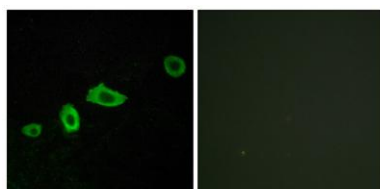
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	SR-5A rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HTR5A. AA range:15-64
<b>Specificity</b>	SR-5A Polyclonal Antibody detects endogenous levels of SR-5A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	5-hydroxytryptamine receptor 5A
<b>Gene Name</b>	HTR5A
<b>Cellular localization</b>	Cell membrane; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

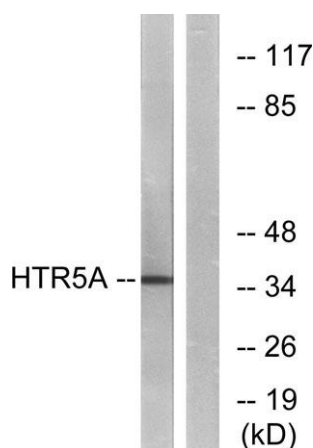
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	36kD
<b>Human Gene ID</b>	3361
<b>Human Swiss-Prot Number</b>	P47898
<b>Alternative Names</b>	HTR5A; 5-hydroxytryptamine receptor 5A; 5-HT-5; 5-HT-5A; 5-HT5A; Serotonin receptor 5A

### Background

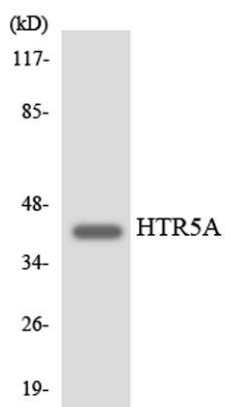
The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca<sup>2+</sup> mobilization. [provided by RefSeq, Jul 2008],



Immunofluorescence analysis of LOVO cells, using HTR5A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using HTR5A Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using HTR5A antibody.