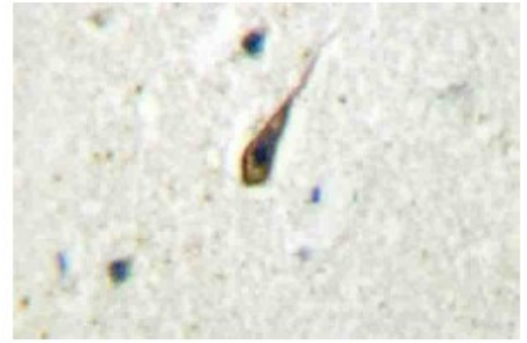


**AP06769PU-N****Polyclonal Antibody to Serotonin receptor 1A (HTR1A) - Aff - Purified**

<b>Alternate names:</b>	5-HT-1A, 5-HT1A, 5-hydroxytryptamine receptor 1A, ADRB2RL1, ADRBRL1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	The members of the G protein-coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule can be excitatory or inhibitory depending on the type of receptor to which it binds. $\beta$ -adrenergic bound to adrenaline activates adenylyl cyclase, while $\alpha$ 2-adrenergic receptor bound to adrenaline inhibits adenylyl cyclase. Like the $\alpha$ 2-adrenergic receptor, serotonin receptor functions are also mediated by G proteins that inhibit the activity of adenylyl cyclase. The serotonin receptors have been classified into several categories, designated SR-1–7 (5HT1–7). Subtypes within the SR-1 group include SR-1A,-1B, -1D, -1E and -1F.
<b>Uniprot ID:</b>	<a href="#">P08908</a>
<b>NCBI:</b>	<a href="#">NP_000515.2</a>
<b>GenelD:</b>	<a href="#">3350</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide, corresponding to amino acids 291-340 of Human SR-1A.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity chromatography (>95% pure (SDS-PAGE)) <b>Buffer System:</b> Phosphate buffered saline (PBS), pH 7.2 <b>Preservatives:</b> 0.05% sodium azide
<b>Applications:</b>	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/200. <b>Immunofluorescence:</b> 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	~ 46 kDa
<b>Specificity:</b>	This antibody detects endogenous levels of SR-1A protein. (region surrounding Phe321)
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse and Rat.
<b>Storage:</b>	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:**

**Immunohistochemistry (IHC)** analyzes of SR-1A antibody (Cat.-No.: AP06769PU-N) in paraffin-embedded human brain tissue.



**Western blot (WB)** analyzes of SR-1A antibody (Cat.-No.: AP06769PU-N) in extracts from HepG2 cells.

