

**AP20471PU-N****Polyclonal Antibody to Serotonin receptor 3A (HTR3A) - Aff - Purified**

|                            |   |
|----------------------------|---|
| <b>Alternate names:</b>    | 5-HT3A, 5-HT3R, 5-hydroxytryptamine receptor 3A, Serotonin-gated ion channel receptor   |
| <b>Quantity:</b>           | 0.1 mg  |
| <b>Concentration:</b>      | 1.0 mg/ml   |
| <b>Background:</b>         | 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. |
| <b>Uniprot ID:</b>         | <a href="#">P46098</a>  |
| <b>NCBI:</b>               | <a href="#">NP_000860</a>   |
| <b>GeneID:</b>             | <a href="#">3359</a>  |
| <b>Host:</b>               | Rabbit  |
| <b>Format:</b>             | <b>State:</b> Liquid purified Ig fraction<br><b>Purification:</b> Affinity chromatography (> 95% (by SDS-PAGE)<br><b>Buffer System:</b> Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.  |
| <b>Applications:</b>       | <b>Western blot:</b> 1/500 - 1/1000.<br><b>Immunofluorescence:</b> 1/50 - 1/200.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Molecular Weight:</b>   | ~ 55 kDa  |
| <b>Specificity:</b>        | This antibody detects endogenous levels of SR-3A protein.<br>(region surrounding Trp190)  |
| <b>Species Reactivity:</b> | <b>Tested:</b> Human.   |
| <b>Storage:</b>            | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |

**Pictures:**

**Western blot (WB)** analysis of SR-3A antibody (Cat.-No.: AP20471PU-N) in extracts from HT-29 cells.

