

## Product datasheet for **AP20471PU-N**

### 5HT3A receptor (HTR3A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunofluorescence:</b> 1/50 - 1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of SR-3A protein. (region surrounding Trp190)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 55 kDa
Gene Name:	5-hydroxytryptamine receptor 3A
Database Link:	<a href="#">Entrez Gene 3359 Human P46098</a>



[View online »](#)

**Background:**

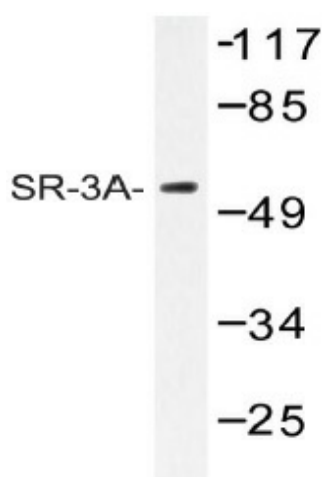
Serotonin (also designated 5-hydroxytryptamine or 5-HT) is a molecule that functions as a neurotransmitter, a hormone and a mitogen, and it is predominantly expressed in the gut, platelets and central nervous system (CNS). In the CNS, serotonin modulates several processes, including anxiety, sleep, appetite, 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.

**Synonyms:**

5-hydroxytryptamine receptor 3A, 5-HT3R, 5-HT3A

**Protein Families:**

Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**Product images:**

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