

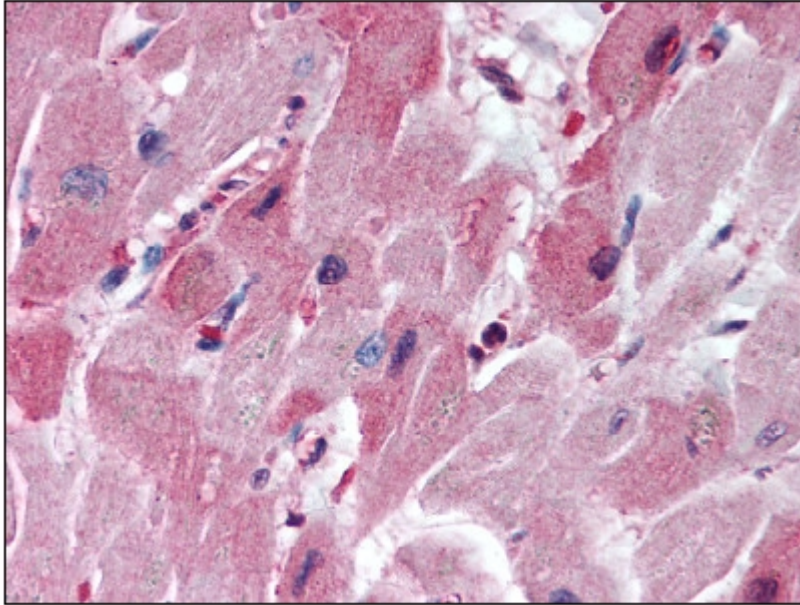
Polyclonal Antibody to Serotonin receptor 3A (HTR3A) (21-36, 421-436) - Aff - Purified

Alternate names:	5-HT3A, 5-HT3R, 5-hydroxytryptamine receptor 3A, Serotonin-gated ion channel receptor
Catalog No.:	AP08449PU-N
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. The 5-HT3 receptors are distinguished from other 5-HT receptors by their structure and function. 5-HT3 receptors span the membrane only four times and are ligand-gated, cation-selective ion channels that mediate neuronal excitation and exocytotic release of neurotransmitters within the peripheral and central nervous systems. Functional studies done on isolated tissues have revealed heterogeneity of this receptor. The human 5-HT3R-As cDNA contains an open reading frame of 1434 base pairs predicting a 23-residue signal peptide and a mature receptor subunit of 455 amino acids. The human subunit exhibits 85% and 84% amino acid sequence identity to the mouse and rat receptors, respectively. Anti-5-HT3R polyclonal antibody shows immunoreactivity in the forebrain (olfactory regions, hippocampal formation and amygdala), sensory and motor nuclei of brainstem and spinal cord.
Uniprot ID:	P46098
NCBI:	NP_000860.2
GeneID:	3359
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide corresponding to amino acids 21-36 and 421-436 of Rat 5-HT3 Receptor.
Format:	State: Liquid purified Ig fraction. Purification: Protein G Chromatography. Buffer System: PBS containing 0.2% Gelatin as stabilizer and 0.05% Sodium Azide as preservative.
Applications:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western blot: 1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes 5-Ht3a Receptor (HTR3A).
Species Reactivity:	Tested: Rat. Expected from sequence similarity: Human.

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:



Heart: Formalin-Fixed Paraffin-Embedded (FFPE)