5HT3B Polyclonal Antibody

Catalog No	YP-Ab-07359
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	HTR3B
Protein Name	5-hydroxytryptamine receptor 3B (5-HT3-B) (5-HT3B) (Serotonin receptor 3B)
Immunogen	Synthesized peptide derived from human protein . at AA range: 140-220
Specificity	5HT3B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	48kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.
Tissue Specificity	Expressed in the brain cortex, in the caudate nucleus, the hippocampus, the thalamus and the amygdala. Detected in the kidney and testis as well as in monocytes of the spleen, small and large intestine, uterus, prostate, ovary and placenta.
Function	function:This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses. It is a cation-specific, but otherwise relatively nonselective, ion channel.,miscellaneous:The HA-stretch region of HTR3B seems to be confer increased conductance to HTR3A/HTR3B heteromers compared to that of HTR3A homomers.,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subcellular location:Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.,subunit:Forms a pentaheteromeric complex with HTR3A, homomeric complex being not functional.,tissue specificity:Expressed in the brain cortex, in the caudate nucleus, the hyppocampus, the thalamus and the amygdala. Detect

Background	The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit B of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It is not functional as a homomeric complex, but a pentaheteromeric complex with subunit A (HTR3A) displays the full functional features of this receptor. [provided by RefSeq, Aug 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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