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5HT3B Receptor Rabbit pAb

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Catalog # AP58148

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95264
Reactivity	Rat, Human
Predicted	Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50292
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human 5HTR3B/5HT3B receptor
Epitope Specificity	101-200/441
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	9177
Other Names	5-hydroxytryptamine receptor 3B, 5-HT3-B, 5-HT3B, Serotonin receptor 3B, HTR3B (HGNC:5298)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

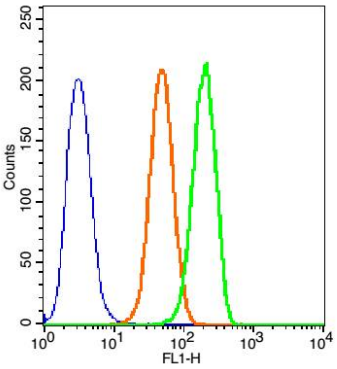
Protein Information

Name	HTR3B (HGNC:5298)
Function	Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.
Cellular Location	Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A
Tissue Location	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

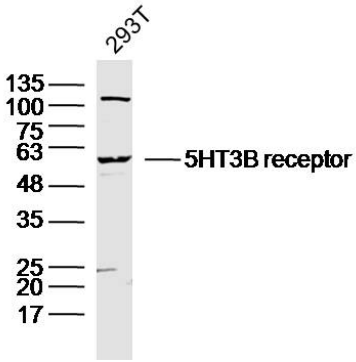
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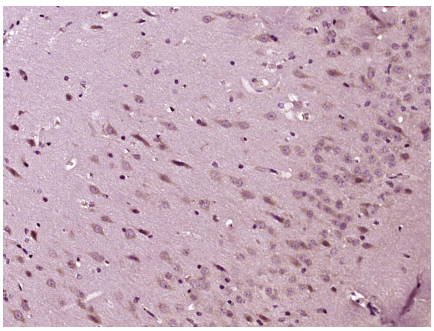
Images



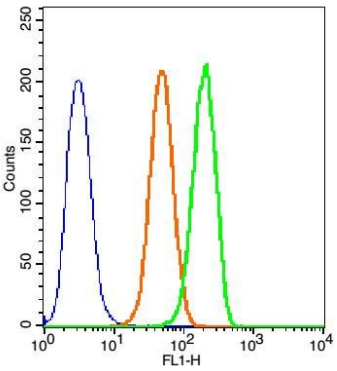
Blank control(blue):293T Cells(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice). Primary Antibody: Rabbit Anti-5HT3B receptor Phospho-c-Fos (Thr325)/AF488 Conjugated antibody (AP58148-AF488), Dilution: 1ug in 100 ul 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF488(orange) ,used under the same conditions.



Sample: 293T Cell (Human) Lysate at 40 ug
Primary: Anti- 5HT3B receptor (AP58148) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD
Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT3B receptor) Polyclonal Antibody, Unconjugated (AP58148) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.