

5HT5B Receptor Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55282

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P31387
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41201

Additional Information

Other Names	5-hydroxytryptamine receptor 5B, 5-HT-5B, 5-HT5B, Serotonin receptor 5B, Htr5b, 5ht5b
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	Htr5b {ECO:0000312 MGI:MGI:96284}
Function	G protein-coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed: 8450829). Also functions as a receptor for ergot alkaloid derivatives and other psychoactive substances (By similarity). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (By similarity). Htr5b is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission: signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P47898}; Multi-pass membrane protein
Tissue Location	Expressed predominantly in the central nervous system; in the hippocampus, habenula, and the dorsal raphe

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