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HTR1B / 5-HT1B Receptor Antibody (Internal)

Rabbit Polyclonal Antibody

Catalog # ALS10136

Specification

HTR1B / 5-HT1B Receptor Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P28222
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**44kDa KDa**

HTR1B / 5-HT1B Receptor Antibody (Internal) - Additional Information

Gene ID 3351

Other Names
5-hydroxytryptamine receptor 1B, 5-HT-1B, 5-HT1B, S12, Serotonin 1D beta receptor, 5-HT-1D-beta, Serotonin receptor 1B, HTR1B, HTR1DB

Target/Specificity
Human 5HT1B Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
HTR1B / 5-HT1B Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR1B / 5-HT1B Receptor Antibody (Internal) - Protein Information

Name HTR1B

Synonyms HTR1DB

Function
G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances, such as lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Detected in cerebral artery smooth muscle cells (at protein level). Detected in brain cortex, striatum, amygdala, medulla, hippocampus, caudate nucleus and putamen.

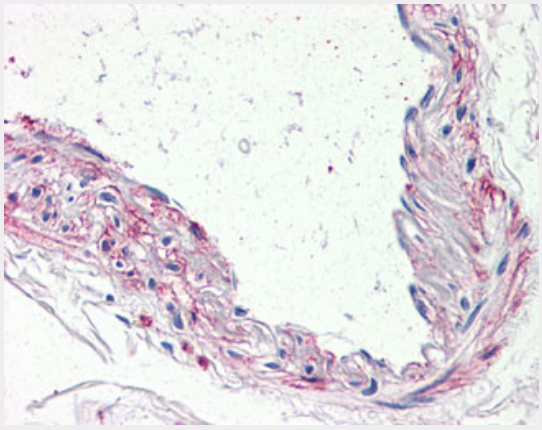
Volume
50 µl

HTR1B / 5-HT1B Receptor Antibody (Internal) - Protocols

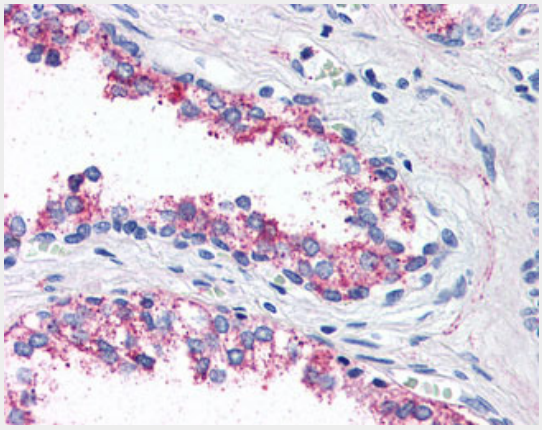
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTR1B / 5-HT1B Receptor Antibody (Internal) - Images



Anti-5HT1B Receptor antibody ALS10136 IHC of human vessel.



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Anti-5HT1B Receptor antibody ALS10136 IHC of human prostate.

HTR1B / 5-HT1B Receptor Antibody (Internal) - Background

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances, such as lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.

HTR1B / 5-HT1B Receptor Antibody (Internal) - References

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Jin H.,et al.J. Biol. Chem. 267:5735-5738(1992).
Levy F.O.,et al.J. Biol. Chem. 267:7553-7562(1992).
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