5-HT5A Receptor (HTR5A). Rabbit Antigen Immunoaffinity Purified Polyclonal

5-HT-5A, 5-HT5A, HTR5A, MGC138226

Background

The 5-HT5A Receptor is a member of the Serotonin Receptor subfamily. 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. The activity of this receptor is mediated by G proteins.

Ordering Information

Catalog Number
X2106P

Size
50 µg

Form
Affinity Purified

Host/Clone
Rabbit

Formulation
Phosphate buffered saline containing 0.1% sodium azide

Concentration
See vial for concentration

Isotype
IgG

Applications
Immunohistochemistry

Species Reactivity
Human

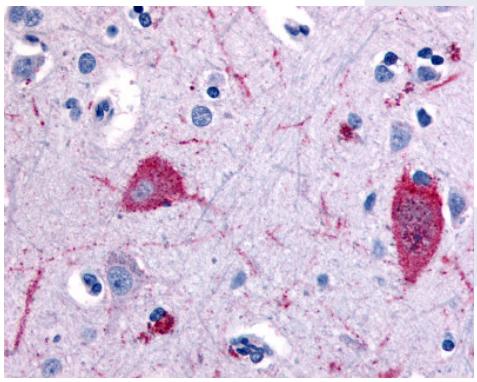
Accession Number

Human	P47898

Immunogen

Synthetic protein made to the N-terminal domain of human 5HT5A Receptor

5-HT5A Receptor staining of formallin fixed paraffin embedded human brain (cortex) tissue at a dilution of 5 ug/ml. Antigen retrieval using a citrate buffer and steam/heat was utilized.



Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 978.425.1370 www.exalpha.com info@exalpha.com

Positive Control/Tissue Expression

Located in the cell membrane

Comments

Antibody can be used at 5-10 μg/ml for immunohistochemistry (formalin-fixed paraffin embedded tissues). Optimal concentration should be evaluated by serial dilutions.

Purification

Immunoaffinity Purification

Ship Conditions

Ship on gel ice, store at -70ºC immediately upon arrival

Storage Customer

Product should be stored at -70ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

1. Doly, S., et al. '5-HT5A receptor localization in the rat spinal cord suggests a role in nociception and control of pelvic floor musculature.' J. Comp. Neurol. 2004, 30, 316-329

2. Wang, Z.Y., et al. '5-HT5a receptors in the carotid body chemoreception pathway of rat.' Neurosci. Lett. 2000, 278, 9 -12

3. Garcia-Alcocer, G., et al. 'Serotonin receptor 5-HT5A in rat hippocampus decrease by leptin treatment.' Neurosci. Lett. 2010, 486, 171-173.

4. Yosifova, A., et al. Case-control association study of 65 candidate genes revealed a possible association of a SNP of HTR5A to be a factor susceptible to bipolar disease in Bulgarian population. J. Affect Disord 2009, 117, 87-97

5. Schanen, N.C., et al. Assignment of the 5-hydroxytryptamine (serotonin) receptor 5A gene (HTR5A) to human chromosome band 7q36.1. Cytogenet. Cell. Genet. 1996, 72, 187-188

Product Specific References

Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
Tel: 978.425.1370 www.exalpha.com info@exalpha.com