

Polyclonal Antibody to Serotonin receptor 1B (HTR1B) (Cytopl. Dom.) - Aff - Purified

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|-------------------------|---|
| Alternate names: | 5-HT _{1D} -beta, 5-hydroxytryptamine receptor 1B, HTR1DB |
| Catalog No.: | SP4041P |
| Quantity: | 50 µg |
| Concentration: | 1.0 mg/ml |
| Background: | <p>5-HT_{1B}, a Serotonin Receptor, inhibits neurotransmitter release from neuronal terminals. Knockout mutant mice lacking this receptor exhibit decreased anxiety, increased aggression, and augmented alcohol and cocaine consumption compared to controls. 5-HT_{1B} receptors have been found to control areas of the human brain involved in migraine pain, bipolar disorder, and obsessive compulsive disorder.</p> <p>The 5-HT_{1B} receptor has been reported to be expressed in a variety of neurons predominantly in the central nervous system. It has been suggested that Human 5-HT_{1B} receptors are located somatodendritically on GABAergic and peptidergic caudate-putamen neurons which project to the substantia nigra and globus pallidus, where these receptors are presynaptic. 5-HT_{1B} expression has also been seen in heart, blood vessels, and eye.</p> |
| Uniprot ID: | P28222 |
| NCBI: | NP_000854.1 |
| GeneID: | 3351 |
| Host: | Rabbit |
| Immunogen: | <p>Synthetic peptide - KLH conjugated Epitope: 3rd cytoplasmic domain of human Genename: HTR1B Remarks: The immunizing peptide shows 100% identity (100% similarity) with Mouse and Rat.</p> |
| Format: | <p>State: Liquid purified Ig fraction. Purification: Immunoaffinity Chromatography. Buffer System: PBS containing 0.09% Sodium Azide as preservative</p> |
| Applications: | <p>Immunohistochemistry with Formalin Fixed Paraffin Embedded Tissues (7 µg/ml). Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100°C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p> |
| Specificity: | Reacts with 5-HT _{1B} receptor (family: GPCR, subfamily: Serotonin). |

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Species Reactivity: Tested: Human.

Expected from sequence similarity: Mouse and Rat.

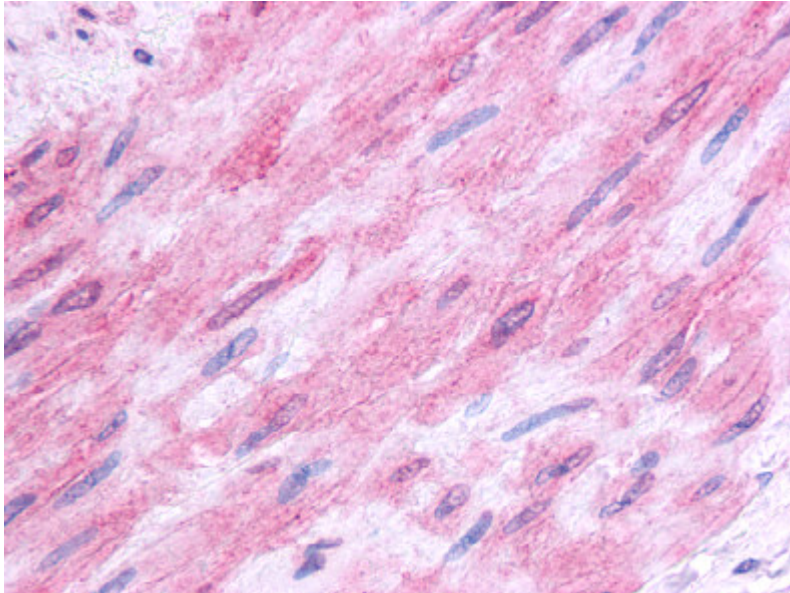
Add. Information: This product was originally produced by MBL International.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



Immunohistochemical staining of Vascular smooth muscle using anti-HTR1B antibody SP4041P.

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