

## Polyclonal Antibody to PC2 - Aff - Purified

<b>Catalog No.:</b>	EB05776
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml
<b>Background:</b>	<p>5-HT<sub>6</sub>, a Serotonin Receptor, appears to regulate cholinergic neurotransmission in the brain rather than the expected interaction as a modulator of dopaminergic transmission. This interaction predicts a possible role for 5-HT<sub>6</sub> Receptor antagonists in the treatment of learning and memory disorders. The 5-HT<sub>6</sub> Receptor is abundant in limbic areas, which participate in the control of mood and emotion. Some antidepressants and antipsychotics are potent 5-HT<sub>6</sub> Receptor antagonists, making this gene valuable for the pharmaceutical industry. 5-HT<sub>6</sub> may be involved in the pathogenesis of mood disorders, schizophrenia, in Alzheimer's disease. A splice variant that has a 289bp deletion in the transmembrane region IV and the third intracellular loop has been isolated.</p> <p>5-HT<sub>6</sub> Receptor has been reported primarily in striatum of the brain. Expression has also been seen in stomach, spinal cord, and the lymphoid tissues of rats, including peripheral blood lymphocytes, spleen, and thymus. ESTs have been isolated from brain libraries.</p>
<b>Host / Isotype:</b>	Goat
<b>Immunogen:</b>	<p>Synthetic peptide - KLH conjugated Epitope: C-terminal domain of human <b>Genename:</b> HTR6 <b>Remarks:</b> The immunizing peptide shows 94 % identity (100 % similarity) with mouse.</p>
<b>Format:</b>	<p><b>State:</b> Liquid Ig fraction <b>Purification:</b> Peptide immunogen affinity column <b>Buffer System:</b> PBS, pH 7.7, containing 0.01% sodium azide</p>
<b>Applications:</b>	<p>Immunohistochemistry on paraffin embedded sections (10-20 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>
<b>Specificity:</b>	<p>Reacts to Serotonin Receptor 6 (Family: GPCR, Subfamily: Serotonin) <b>Species:</b> Human. Others not tested.</p>
<b>Add. Information:</b>	This product was originally produced by MBL International.

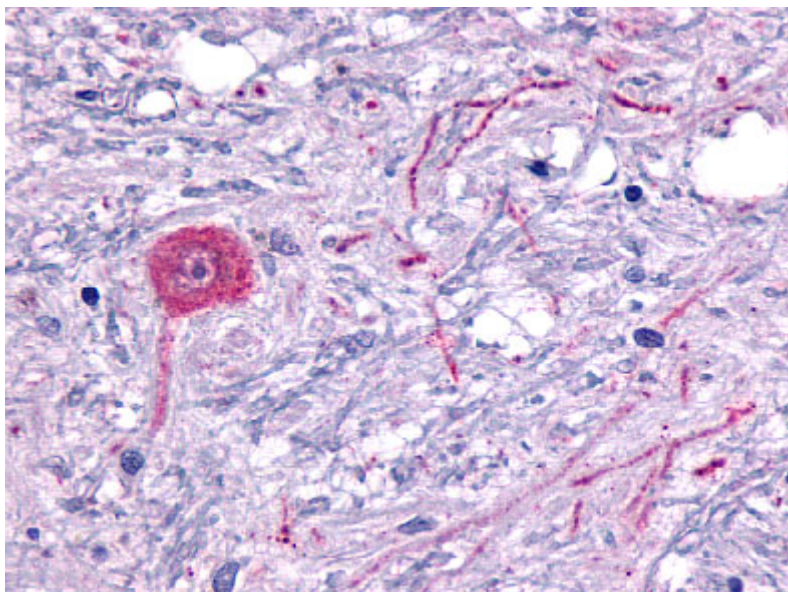
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Antibody Hotline - Technical Questions - Antibody Location Service  
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**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -70°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**Pictures:**

Immunohistochemical staining of Brain (Neuron) using anti- HTR6 antibody SP4049P

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