



**5-HT7 Receptor (HTR7). Rabbit Antigen Immunoaffinity Purified Polyclonal**  
5-HT-7, 5-HT7, 5HT7, HTR7

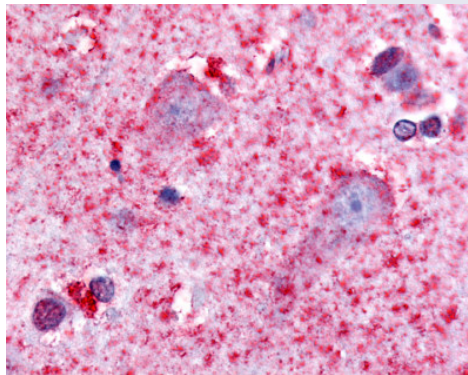
**BACKGROUND**

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 that stimulate adenylate cyclase.

**IMMUNOGEN**

3rd cytoplasmic domain of human

HTR7 staining of formallin fixed paraffin embedded human brain (cortex) tissue at a dilution of 10  $\mu$ g/ml. Antigen retrieval using a citrate buffer and steam/heat was utilized.



**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2140P

**SIZE**  
50  $\mu$ g

**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 P34969

**POSITIVE CONTROL/TISSUE EXPRESSION**

Human Brain

**COMMENTS**

Antibody can be used for immunohistochemistry (5-10  $\mu$ g/ml, formalin-fixed, paraffin embedded tissues). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Immunoaffinity Purification

**SHIP CONDITIONS**

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

**STORAGE CUSTOMER**

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

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Grueb, M., et al. 'Serotonin (5-HT7) Receptor-Stimulated Activation of cAMP-PKA Pathway in Bovine Corneal Epithelial and Endothelial Cells.' *Ophthalmic. Res.* 2012, 48, 22-27.
2. Tonini, M., et al. '5-HT7 receptors modulate peristalsis and accommodation in the guinea pig ileum.' *Gastroenterology* 2005, 129, 1557-1566.
3. Russo, A., et al. 'In vitro' postnatal expression of 5-HT7 receptors in the rat hypothalamus: an immunohistochemical analysis.' *Brain Res. Dev. Brain Res.* 2005, 154, 211-216.
4. Meuser, T., et al. '5-HT7 receptors are involved in mediating 5-HT-induced activation of rat primary afferent neurons.' *Life Sci.* 2002, 71, 2279-2289.

**PRODUCT SPECIFIC REFERENCES**