



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.

ORDERING INFORMATION

CATALOG NUMBER
X2152P

SIZE
50 μ 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

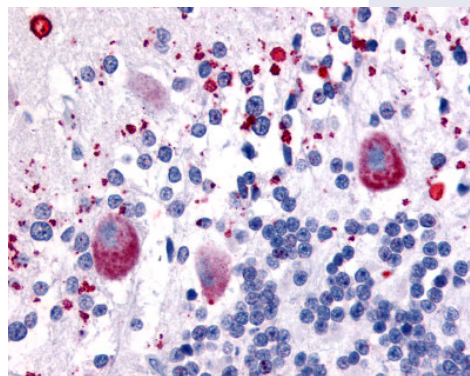
SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human P34969

IMMUNOGEN

C-terminal region of human

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



POSITIVE CONTROL/TISSUE EXPRESSION

Human brain

COMMENTS

Antibody can be used for immunohistochemistry (5-10 μ /ml). 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