

HTR7 / 5HT7 Receptor Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10859**Specification****HTR7 / 5HT7 Receptor Antibody (C-Terminus) - Product Information**

Application	IHC-P, IF
Primary Accession	P34969
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa
Dilution	IHC-P~~N/A IF~~1:50~200

HTR7 / 5HT7 Receptor Antibody (C-Terminus) - Additional Information**Gene ID** 3363**Other Names**

5-hydroxytryptamine receptor 7, 5-HT-7, 5-HT7, 5-HT-X, Serotonin receptor 7, HTR7

Target/Specificity

Human 5HT7 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SEMA6C (56%), SSTR3 (50%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

HTR7 / 5HT7 Receptor Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR7 / 5HT7 Receptor Antibody (C-Terminus) - Protein Information**Name** HTR7 {ECO:0000303|Ref.3, ECO:0000312|HGNC:HGNC:5302}**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed:35714614, PubMed:8226867). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed:35714614, PubMed:8226867). HTR7 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:35714614).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

[Isoform A]: Predominant isoform in spleen, caudate and hippocampus. [Isoform D]: Minor isoform in terms of expression.

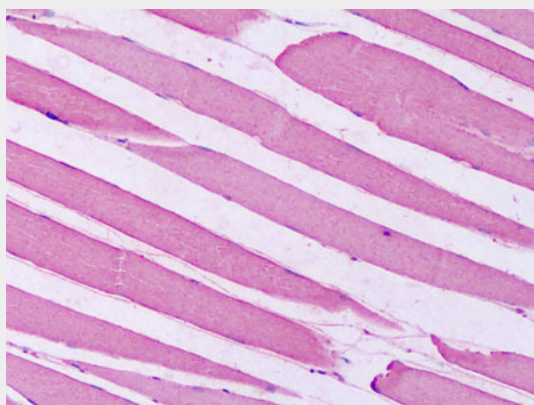
Volume

50 µl

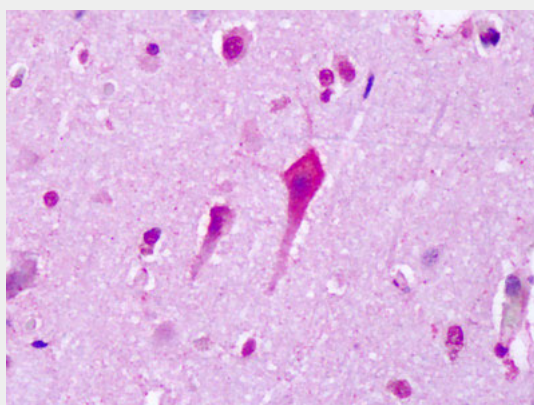
HTR7 / 5HT7 Receptor Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR7 / 5HT7 Receptor Antibody (C-Terminus) - Images

Anti-HT7 / 5-HT7 antibody IHC of human skeletal muscle.



Anti-HT7 / 5-HT7 antibody IHC of human brain, cortex, neurons.

HTR7 / 5HT7 Receptor Antibody (C-Terminus) - 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.

HTR7 / 5HT7 Receptor Antibody (C-Terminus) - References

Heidmann D.E.A.,et al.J. Neurochem. 68:1372-1381(1997).
Bard J.A.,et al.J. Biol. Chem. 268:23422-23426(1993).
King M.M.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Goshima N.,et al.Nat. Methods 5:1011-1017(2008).