

Anti-5-HT7 Antibody
Catalog # AP53890**Specification**

Anti-5-HT7 Antibody - Product Information

Application	WB
Primary Accession	P34969
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53555

Anti-5-HT7 Antibody - Additional Information**Gene ID** 3363**Other Names**

5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT7; 5-HT-X; Serotonin receptor 7

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human 5-HT7. The exact sequence is proprietary.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-5-HT7 Antibody - 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

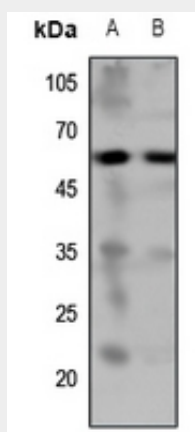
Tissue Location

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

Anti-5-HT7 Antibody - 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](#)

Anti-5-HT7 Antibody - Images

Western blot analysis of 5-HT7 expression in Hela (A), H1688 (B) whole cell lysates.

Anti-5-HT7 Antibody - Background

Rabbit polyclonal antibody to 5-HT7