

Anti-5-HT7 Antibody

Catalog # AP53890

Product Information

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

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

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: <u>35714614</u> , PubMed: <u>8226867</u>). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed: <u>35714614</u> , PubMed: <u>8226867</u>). HTR7 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed: <u>35714614</u>).
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.

Background

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.