

# Anti-5-HT7 Antibody

Catalog # AP53890

## Product Information

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Application	WB
Primary Accession	<a href="#">P34969</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53555

## Additional Information

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Gene ID	3363
Other Names	5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT7; 5-HT-X; Serotonin receptor 7
Target/Specificity	Recognizes endogenous levels of 5-HT7 protein.
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

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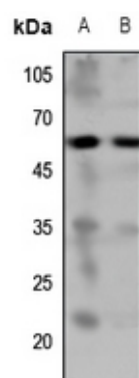
Name	HTR7 {ECO:0000303 Ref.3, ECO:0000312 HGNC:HGNC:5302}
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed: <a href="#">35714614</a> , PubMed: <a href="#">8226867</a> ). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed: <a href="#">35714614</a> , PubMed: <a href="#">8226867</a> ). HTR7 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed: <a href="#">35714614</a> ).
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

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## Images

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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'.