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5HT7 Receptor Antibody

Rabbit mAb
Catalog # AP92505

Product Information

Application	WB
Primary Accession	P34969
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	5 HT 7; 5 HT X; 5-HT-7; 5-HT-X; 5-HT7; 5HT7; htr7;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	53555

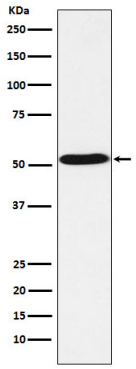
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human 5HT7 Receptor
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of 5HT7 Receptor expression in U-87MG cell lysate.

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