10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR7 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16211

Product Information

Application	WB
Primary Accession	P34969
Other Accession	NM_019859, NP_062873
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse
Predicted	Human, Mouse, Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53555

Additional Information

Gene ID	3363
Alias Symbol	5-HT7
Other Names	5-hydroxytryptamine receptor 7, 5-HT-7, 5-HT7, 5-HT-X, Serotonin receptor 7, HTR7
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HTR7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	HTR7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

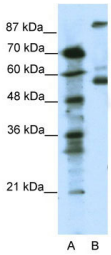
Background

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.

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).

Images



WB Suggested Anti-HTR7 Antibody Titration: 0.125µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate

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