

Product Name: SR-7 Rabbit Polyclonal Antibody**Catalog #: APRab18256**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	

Antigen Information

Gene Name	HTR7
Alternative Names	HTR7; 5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT7; 5-HT-X; Serotonin receptor 7
Gene ID	3363.0
SwissProt ID	P34969
Immunogen	The antiserum was produced against synthesized peptide derived from human HTR7. AA range:391-440

Background

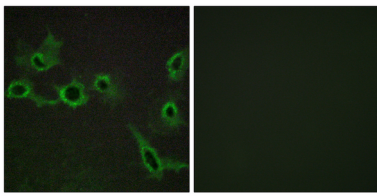
The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor

encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq, Jul 2008],alternative products:Isoform A and isoform B appear to be expressed at higher levels,function: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.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Isoform A is the predominant isoform in spleen, caudate and hippocampus. Isoform B is expressed at lower levels, and isoform D is a minor isoform.,

Research Area

Calcium;Neuroactive ligand-receptor interaction;

Image Data



Immunofluorescence analysis of COS7 cells, using HTR7 Antibody. The picture on the right is blocked with the synthesized peptide.