

Summary

Production Name	SR-4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HTR4
Alternative Names	HTR4; 5-hydroxytryptamine receptor 4; 5-HT-4; 5-HT4; Serotonin receptor 4
Gene ID	3360.0
SwissProt ID	Q13639.The antiserum was produced against synthesized peptide derived from human 5-HT-4. AA range:21-70

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other applications.
Molecular Weight	43kDa

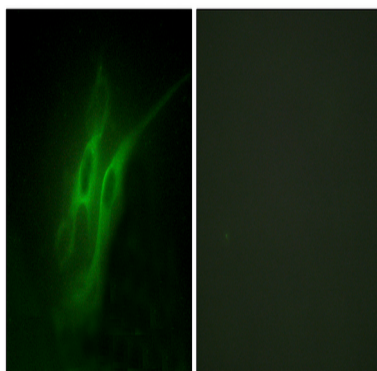
Background

This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010], alternative products: Additional isoforms seem to exist, 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., subcellular location: Interaction with SNX27 mediates recruitment to early endosomes, while interaction with SLC9A3R1 and EZR might target the protein to specialized subcellular regions, such as microvilli., subunit: Isoform 5-HT4(A) interacts with MAGI2, MPP3, SLC9A3R1 and SNX27 isoforms 1 and 2. Isoform 5-HT4(E) interacts with INADL, NOS1 and SEC23A. Isoform 5-HT4(A) forms a complex including SLC9A3R1 and EZR., tissue specificity: Isoform 5-HT4(A) is expressed in ileum, brain, and atrium, but not in the ventricle.,

Research Area

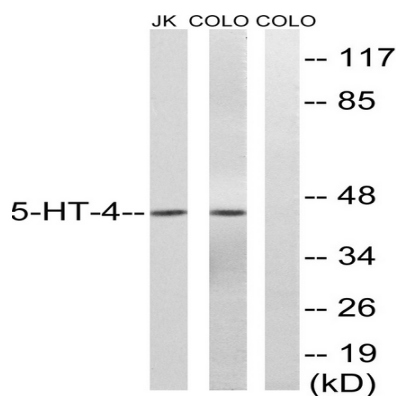
Calcium; Neuroactive ligand-receptor interaction;

Image Data

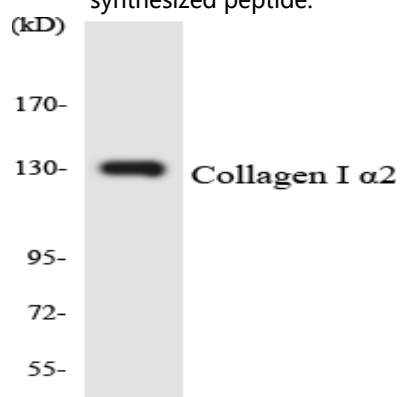


Immunofluorescence analysis of HeLa cells, using 5-HT-4 Antibody. The picture on the right is blocked with the synthesized peptide.

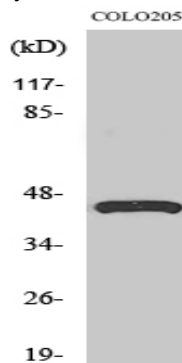
Product Name: SR-4 Rabbit Polyclonal Antibody
Catalog #: APRab18252



Western blot analysis of lysates from Jurkat/COLO205, using 5-HT-4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using Collagen I α2 antibody.



Western Blot analysis of various cells using SR-4 Polyclonal Antibody

Note

For research use only.