

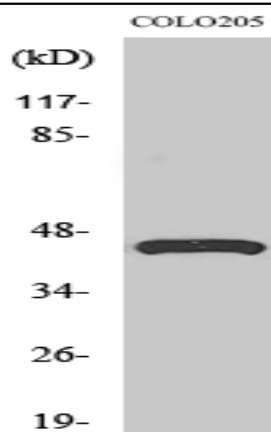
## SR-4 Polyclonal Antibody

<b>Catalog No :</b>	YT4403
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	SR-4
<b>Fields :</b>	>>Calcium signaling pathway;>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction;>>Serotonergic synapse
<b>Gene Name :</b>	HTR4
<b>Protein Name :</b>	5-hydroxytryptamine receptor 4
<b>Human Gene Id :</b>	3360
<b>Human Swiss Prot No :</b>	Q13639
<b>Mouse Gene Id :</b>	15562
<b>Mouse Swiss Prot No :</b>	P97288
<b>Rat Gene Id :</b>	25324
<b>Rat Swiss Prot No :</b>	Q62758
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human 5-HT-4. AA range:21-70
<b>Specificity :</b>	SR-4 Polyclonal Antibody detects endogenous levels of SR-4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

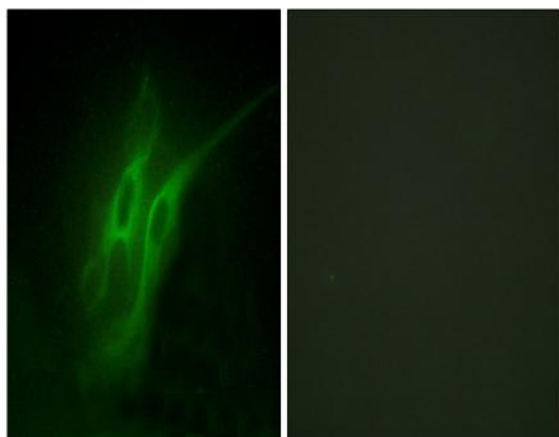
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	43kD
<b>Cell Pathway :</b>	Calcium;Neuroactive ligand-receptor interaction;
<b>Background :</b>	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],
<b>Function :</b>	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.
<b>Subcellular Location :</b>	Cell membrane; Multi-pass membrane protein. Endosome. 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. .
<b>Expression :</b>	Isoform 5-HT4(A) is expressed in ileum, brain, and atrium, but not in the ventricle.

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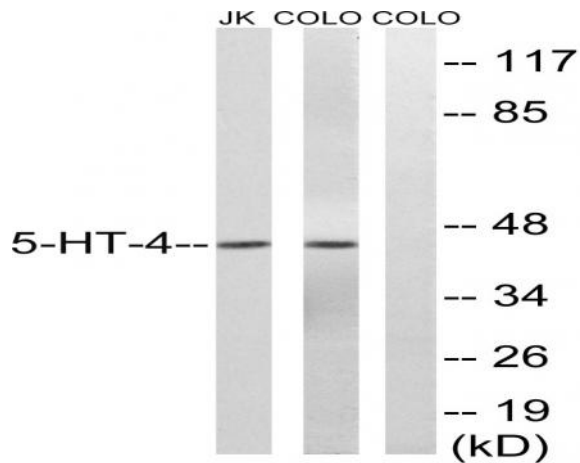
## Products Images



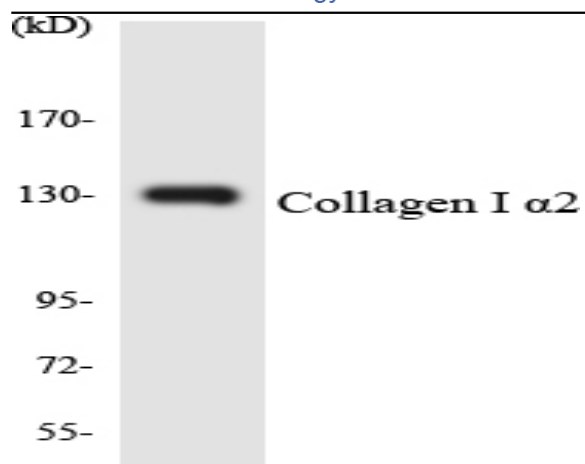
Western Blot analysis of various cells using SR-4 Polyclonal Antibody



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



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  $\alpha$ 2 antibody.