



SR-4 rabbit pAb

Cat No.:ES3494

For research use only

Overview

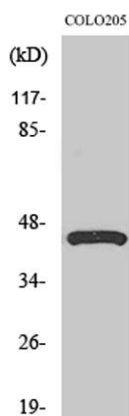
Product Name	SR-4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human 5-HT-4. AA range:21-70
Specificity	SR-4 Polyclonal Antibody detects endogenous levels of SR-4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	5-hydroxytryptamine receptor 4
Gene Name	HTR4
Cellular localization	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. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	43kD
Human Gene ID	3360
Human Swiss-Prot Number	Q13639
Alternative Names	HTR4; 5-hydroxytryptamine receptor 4; 5-HT-4; 5-HT4; Serotonin receptor 4





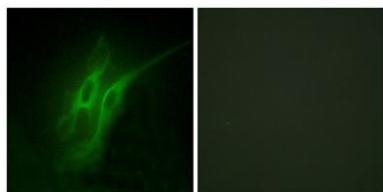
Background

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],



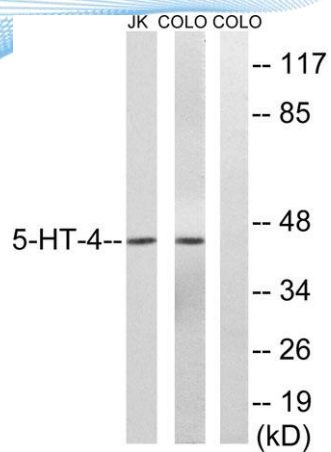
Western Blot analysis of various cells using SR-4 Polyclonal Antibody

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

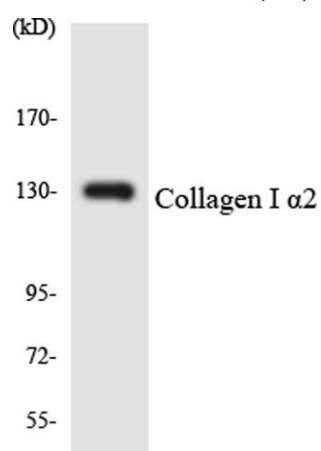




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Western blot analysis of lysates from Jurkat/COLO205, using 5-HT-4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using Collagen I α 2 antibody.



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