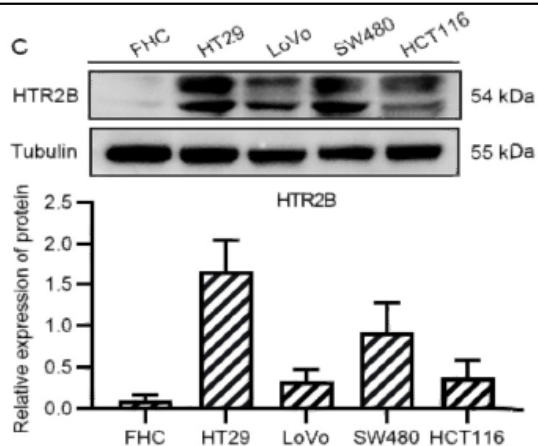


SR-2B Polyclonal Antibody

Catalog No :	YT4398
Reactivity :	Human
Applications :	WB;IF;ELISA
Target :	SR-2B
Fields :	>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction;>>Gap junction;>>Serotonergic synapse;>>Inflammatory mediator regulation of TRP channels
Gene Name :	HTR2B
Protein Name :	5-hydroxytryptamine receptor 2B
Human Gene Id :	3357
Human Swiss Prot No :	P41595
Mouse Swiss Prot No :	Q02152
Immunogen :	The antiserum was produced against synthesized peptide derived from human HTR2B. AA range:15-64
Specificity :	SR-2B Polyclonal Antibody detects endogenous levels of SR-2B protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	54kD
Cell Pathway :	Calcium;Neuroactive ligand-receptor interaction;Gap junction;
Background :	<p>This gene encodes one of the several different receptors for 5-hydroxytryptamine (serotonin) that belongs to the G-protein coupled receptor 1 family. Serotonin is a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. Serotonin receptors mediate many of the central and peripheral physiologic functions of serotonin, including regulation of cardiovascular functions and impulsive behavior. Population and family-based analyses of a minor allele (glutamine-to-stop substitution, designated Q20*) which blocks expression of this protein, and knockout studies in mice, suggest a role for this gene in impulsivity. However, other factors, such as elevated testosterone levels, may also be involved. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016],</p>
Function :	<p>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. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with MPDZ.,tissue specificity:Detected in most peripheral organs. Only low expression levels were found in the brain.,</p>
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, synaptosome .
Expression :	Ubiquitous. Detected in liver, kidney, heart, pulmonary artery, and intestine. Detected at lower levels in blood, placenta and brain, especially in cerebellum, occipital cortex and frontal cortex.
Sort :	16579
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

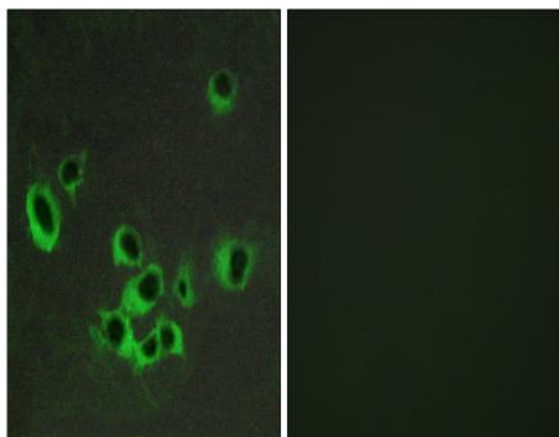
Products Images



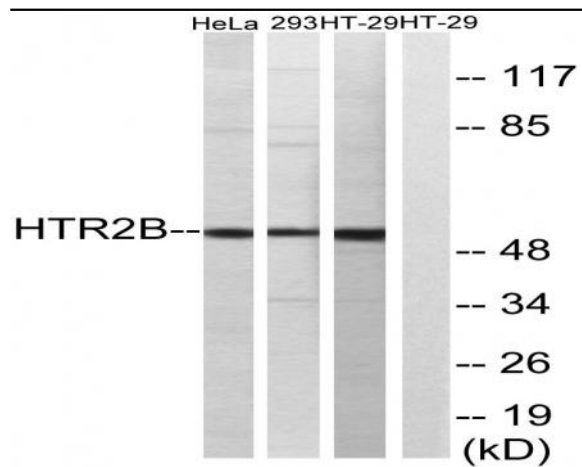
Dissecting the novel abilities of aripiprazole: The generation of anti-colorectal cancer effects by targeting Gαq via HTR2B. Changhua Hu WB Human FHC cell, HT29 cell, LoVo cell, SW480 cell, HCT116 cell



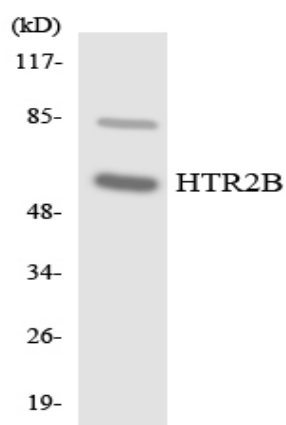
Western Blot analysis of various cells using SR-2B Polyclonal Antibody



Immunofluorescence analysis of COS7 cells, using HTR2B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29, 293, and HeLa cells, using HTR2B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using HTR2B antibody.