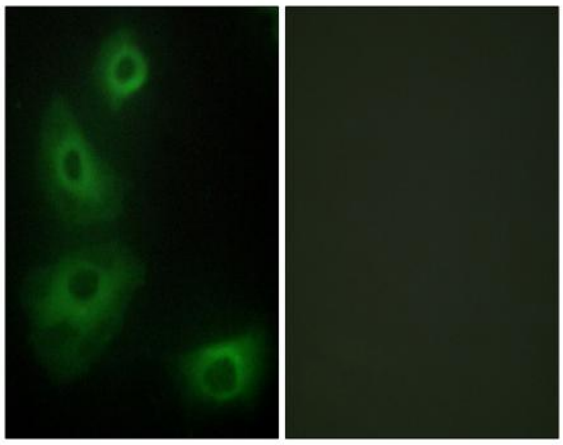
Best Tools for immunology Research

SR-1B Polyclonal Antibody

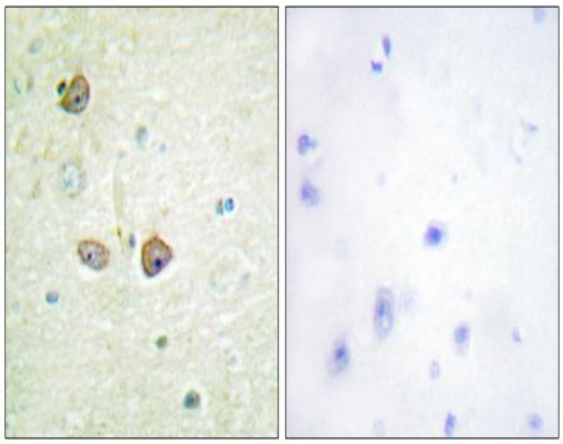
Catalog No :	YT4393
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	SR-1B
Fields :	>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction;>>Serotonergic synapse;>>Taste transduction
Gene Name :	HTR1B
Protein Name :	5-hydroxytryptamine receptor 1B
Human Gene Id :	3351
Human Swiss Prot No :	P28222
Mouse Gene Id :	15551
Mouse Swiss Prot No :	P28334
Rat Gene Id :	25075
Rat Swiss Prot No :	P28564
Immunogen :	The antiserum was produced against synthesized peptide derived from human 5-HT-1B. AA range:201-250
Specificity :	SR-1B Polyclonal Antibody detects endogenous levels of SR-1B 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. IHC 1:100 - 1:300. 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 :	43kD
Cell Pathway :	Neuroactive ligand-receptor interaction;
Background :	The protein encoded by this intronless gene is a G-protein coupled receptor for serotonin (5-hydroxytryptamine). Ligand binding activates second messengers that inhibit the activity of adenylate cyclase and manage the release of serotonin, dopamine, and acetylcholine in the brain. The encoded protein may be involved in several neuropsychiatric disorders and therefore is often a target of antidepressant and other psychotherapeutic drugs. [provided by RefSeq, Nov 2015],
Function :	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 inhibit adenylate cyclase activity.,PTM:Palmitoylated.,PTM:Phosphorylated. Desensitization of the receptor may be mediated by its phosphorylation.,similarity:Belongs to the G-protein coupled receptor 1 family.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Detected in cerebral artery smooth muscle cells (at protein level). Detected in brain cortex, striatum, amygdala, medulla, hippocampus, caudate nucleus and putamen.
Sort :	16574
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

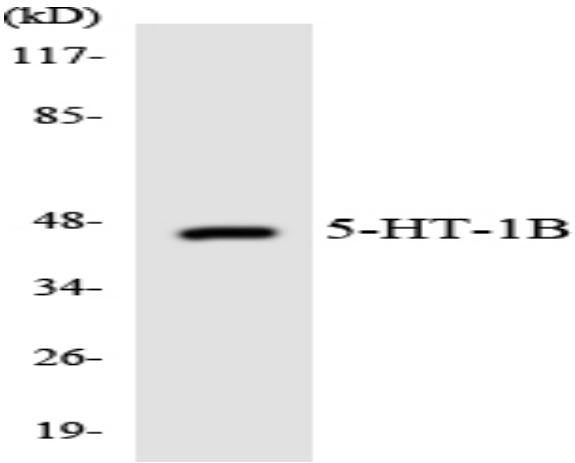
Products Images



Immunofluorescence analysis of HeLa cells, using 5-HT-1B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using 5-HT-1B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using 5-HT-1B antibody.