



# SR-2B Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-12815
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	HTR2B
<b>Protein Name</b>	5-hydroxytryptamine receptor 2B
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HTR2B. AA range:15-64
<b>Specificity</b>	SR-2B Monoclonal Antibody detects endogenous levels of SR-2B protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HTR2B; 5-hydroxytryptamine receptor 2B; 5-HT-2B; 5-HT2B; Serotonin receptor 2B
<b>Observed Band</b>	54kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, synaptosome .
<b>Tissue Specificity</b>	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.
<b>Function</b>	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.,
<b>Background</b>	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],

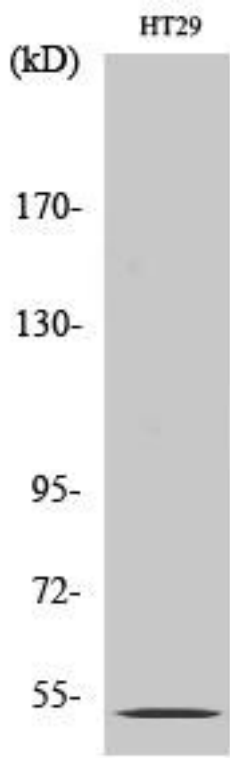
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



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