

## SR-2B rabbit pAb

Cat No.:ES3492

For research use only

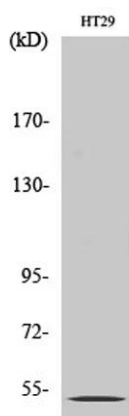
### Overview

|                          |   |
|--------------------------|---|
| Product Name             | SR-2B rabbit pAb  |
| Host species             | Rabbit  |
| Applications             | WB;IF;ELISA   |
| Species Cross-Reactivity | Human;Rat;Mouse;  |
| Recommended dilutions    | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.   |
| 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.   |
| Storage                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| Protein Name             | 5-hydroxytryptamine receptor 2B   |
| Gene Name                | HTR2B   |
| Cellular localization    | Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, synaptosome .   |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Clonality                | Polyclonal  |
| Concentration            | 1 mg/ml   |
| Observed band            | 54kD  |
| Human Gene ID            | 3357  |
| Human Swiss-Prot Number  | P41595  |
| Alternative Names        | HTR2B; 5-hydroxytryptamine receptor 2B; 5-HT-2B; 5-HT2B; Serotonin receptor 2B  |
| Background               | 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 |



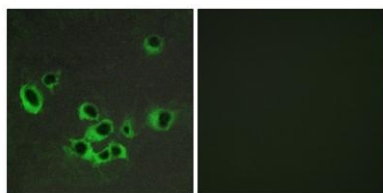


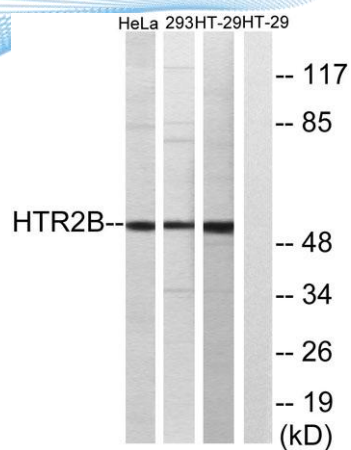
neurotransmitter, a hormone, and a mitogen. Serotonin receptors mediate many of the central and peripheral physiologic functions of serotonin, including regulation of cardiovascular functions and impulsive behavior. Population and family-based analyses of a minor allele (glutamine-to-stop substitution, 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],



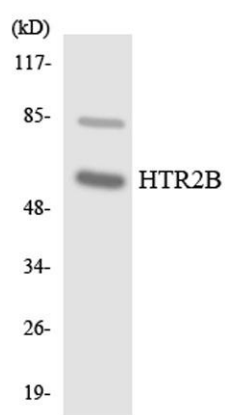
Western Blot analysis of various cells using SR-2B Polyclonal Antibody

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.

