

Product datasheet for **TA321221**

HTR2B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-300 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 1-58 amino acids of human 5-hydroxytryptamine receptor 2B
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	5-hydroxytryptamine receptor 2B
Database Link:	NP_000858 Entrez Gene 3357 Human P41595



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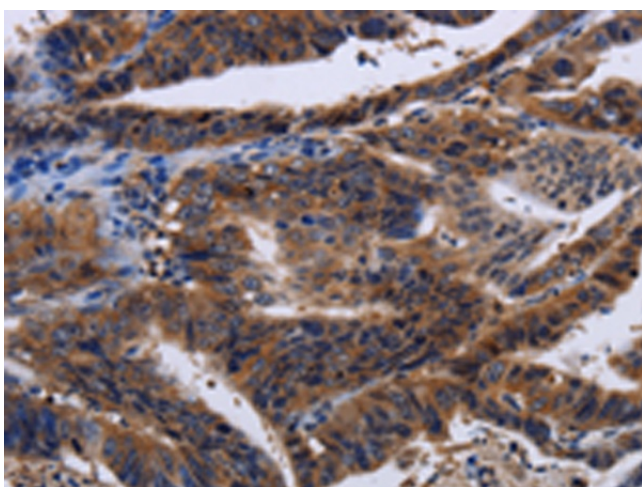
Background: This gene encodes one of the several different receptors for 5-hydroxytryptamine (serotonin) that belongs to the G-protein coupled receptor 1 family. Serotonin is a biogenic hormone that functions as a neurotransmitter; a hormone; and a mitogen. Serotonin receptors mediate many of the central 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.

Synonyms: 5-HT(2B); 5-HT2B

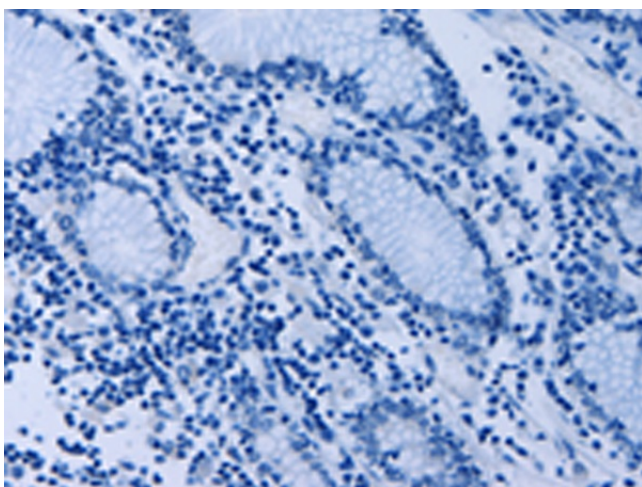
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Calcium signaling pathway, Gap junction, Neuroactive ligand-receptor interaction

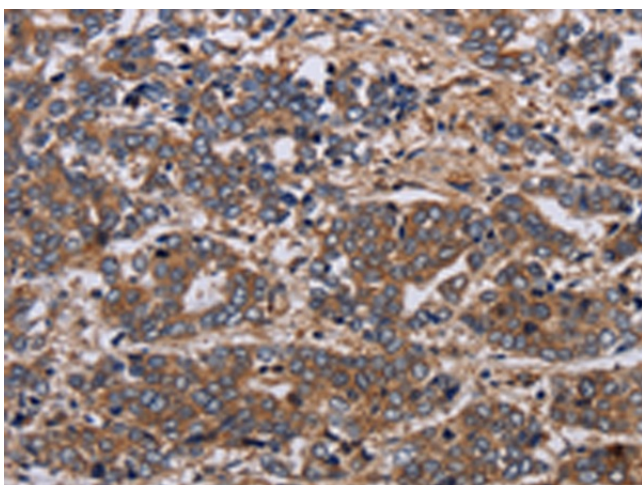
Product images:



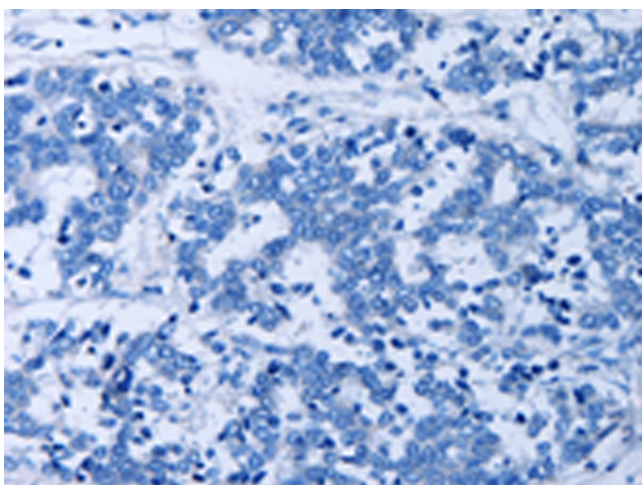
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321221 (HTR2B Antibody) at dilution 1/60 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321221 (HTR2B Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321221 (HTR2B Antibody) at dilution 1/60 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321221 (HTR2B Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: $\times 200$)