

## Product datasheet for **TA336338**

### HTR1B Rabbit Polyclonal Antibody

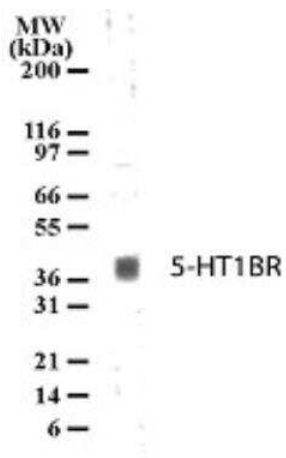
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1-3 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was generated by immunizing rabbits with a mixture of synthetic peptides corresponding to amino acids 8-26 and 263-278 of rat 5-HT1BR (Accession number P28564)
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at -20C. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	5-hydroxytryptamine receptor 1B
Database Link:	<a href="#">NP_000854</a> <a href="#">Entrez Gene 15551 Mouse</a> <a href="#">Entrez Gene 25075 Rat</a> <a href="#">Entrez Gene 3351 Human</a> <a href="#">P28222</a>
Background:	Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. Molecular cloning studies have identified 5 receptors belonging to the 5-HT1 subtypes. These receptors are negatively coupled to adenylyl cyclase. Radioligand binding studies suggest the presence of 5-HT1B (formerly known as 5-HT1DbR) sites in substantia nigra, dorsal subiculum, globus pallidus, and superior collicum. The in situ hybridization studies show abundance of 5-HT1BR mRNA in CA1 pyramidal cells of hippocampus, Purkinje cells of cerebellum, olfactory tubercle, subthalamic nucleus and somewhat lower levels in the caudate-putamen, cortical areas, thalamic and hypothalamic nuclei.



[View online »](#)

**Synonyms:** 5-HT1B; 5-HT1DB; HTR1D2; HTR1DB; S12  
**Protein Families:** Druggable Genome, GPCR, Transmembrane  
**Protein Pathways:** Neuroactive ligand-receptor interaction

**Product images:**

Western Blot: 5-HT1B Antibody TA336338 - Analysis of 5-HT1B in human brain lysate with anti-5-HT1BR pcAb (TA336338). A protein band of approximate molecular weight of 40-41kDa was detected.