

Rabbit HTR1B Polyclonal Antibody | anti-HTR1B antibody

HTR1B antibody

CATALOG # AAA107388	HOST Rabbit	APPLICATIONS Western Blot
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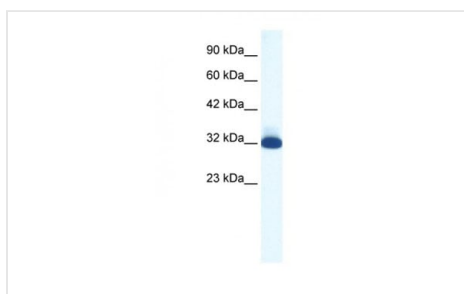
PRODUCT SYNONYMS

HTR1B; Polyclonal Antibody; HTR1B antibody; Polyclonal HTR1B; Anti-HTR1B; HTRB-1; 5-hydroxytryptamine; HTRB 1; serotonin receptor 1B; anti-HTR1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Form/Format	Purified antibody supplied as a liquid in PBS buffer with 0.09% NaN ₃ , and 2% Sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-HTR1B antibody	WB (Western Blot)
Biological Significance	The pathophysiology of depression remains enigmatic, although abnormalities that involve serotonin signaling have been implicated. The serotonin 1B receptor [5-hydroxytryptamine (5-HT _{1B}) receptor] interacts with p11. p11 increases localization of 5-HT _{1B} receptors at the cell surface. p11 is increased in rodent brains by antidepressants or electroconvulsive therapy, but decreased in an animal model of depression and in brain tissue from depressed patients. Overexpression of p11 increases 5-HT _{1B} receptor function in cells and recapitulates certain behaviors seen after antidepressant treatment in mice. p11 knockout mice exhibit a depression-like phenotype and have reduced responsiveness to 5-HT _{1B} receptor agonists and reduced behavioral reactions to an antidepressant.
Cross-Reactivity	Human
Immunogen	Synthetic peptide directed toward the N terminal region of human HTR1B.
Preparation and Storage	4°C short term, -20°C long term. Avoid repeat freeze-thaws.

IMAGES



WB (Western Blot)

HTR1B antibody (AAA107388) used at 5 ug/ml to detect target protein.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HTR1B antibody	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504533
NCBI GeneID	3351
NCBI Accession #	NP_000854
NCBI GenBank Nucleotide #	NM_000863.1
UniProt Accession #	P28222; Q4VAY7
NCBI Official Full Name	5-hydroxytryptamine receptor 1B
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled
NCBI Official Symbol	HTR1B
NCBI Official Synonym Symbols	S12; 5-HT1B; HTR1D2; HTR1DB; 5-HT1DB
NCBI Protein Information	5-hydroxytryptamine receptor 1B
UniProt Protein Name	5-hydroxytryptamine receptor 1B
UniProt Gene Name	HTR1B
UniProt Synonym Gene Names	HTR1DB; 5-HT-1B; 5-HT1B; 5-HT-1D-beta
UniProt Entry Name	5HT1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/htr1b-antibody-western-blot-elisa/107388>