

Datasheet for ABIN926037

anti-5HT1B Receptor antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	5HT1B Receptor (HTR1B)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 5HT1B Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen: HTR1 B antibody was raised in rabbit using the N terminal of HTR1 as the immunogen

Target Details

Target:	5HT1B Receptor (HTR1B)
Alternative Name:	HTR1B (HTR1B Products)
Background:	<p>The pathophysiology of depression remains enigmatic, although abnormalities that involve serotonin signaling have been implicated. The serotonin 1B receptor [5-hydroxytryptamine (5-HT1B) receptor] interacts with p11. p11 increases localization of 5-HT1B 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.</p> <p>Overexpression of p11 increases 5-HT1B receptor function in cells and recapitulates certain</p>

Target Details

behaviors seen after antidepressant treatment in mice. p11 knockout mice exhibit a depression-like phenotype and have reduced responsiveness to 5-HT1B receptor agonists and reduced behavioral reactions to an antidepressant. Synonyms: Polyclonal HTR1B antibody, Anti-HTR1B antibody, 5-hydroxytryptamine, serotonin receptor 1B antibody.

Pathways: [JAK-STAT Signaling](#), [cAMP Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Feeding Behaviour](#), [S100 Proteins](#)

Application Details

Application Notes: WB: 1.25 µg/mL
Optimal conditions should be determined by the investigator.

Comment: HTR1B Blocking Peptide, catalog no. 33R-5909, is also available for use as a blocking control in assays to test for specificity of this HTR1B antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

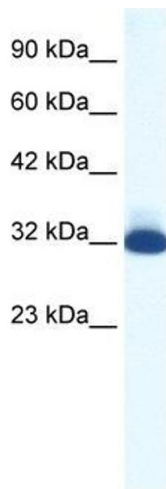
Concentration: Lot specific

Buffer: Lyophilized powder. Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. HTR1B antibody (20R-1336) used at 5 ug/ml to detect target protein.