

Datasheet for ABIN3042730

## anti-Serotonin Receptor 2B antibody (C-Term)



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### 1 Image

#### Overview

Quantity:	100 µg
Target:	Serotonin Receptor 2B (HTR2B)
Binding Specificity:	AA 446-478, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 2B antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Purpose:	Rabbit IgG polyclonal antibody for 5-hydroxytryptamine receptor 2B(HTR2B) detection. Tested with WB in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human 5HT2B Receptor (446-478aa MRLRSSTIQSSSIILLDTLLLTENEGDKTEEQ V), different from the related mouse sequence by six amino acids, and from the related rat sequence by nine amino acids.
Sequence:	MRLRSSTIQS SSIILLDTLL LTENEGDKTE EQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for 5-hydroxytryptamine receptor 2B(HTR2B) detection. Tested with WB in Human,Rat.  Gene Name: 5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled

## Product Details

Protein Name: 5-hydroxytryptamine receptor 2B

Purification: Immunogen affinity purified.

## Target Details

Target: Serotonin Receptor 2B (HTR2B)

Alternative Name: HTR2B ([HTR2B Products](#))

Background: 5HT2B Receptor is known as HTR2B. 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 antibody|5 HT 2B receptor antibody|5 HT(2B) antibody|5 HT2B antibody|5 hydroxytryptamine (serotonin) receptor 2B antibody|5 hydroxytryptamine (serotonin) receptor 2B G protein coupled antibody|5 hydroxytryptamine 2B receptor antibody|5 hydroxytryptamine receptor 2B antibody|5-HT-2B antibody|5-HT2B antibody|5-hydroxytryptamine receptor 2B antibody|5HT(2B) antibody|5HT2B\_HUMAN antibody| 5HT2F antibody|Htr 2b antibody|Htr2b antibody|NP75 protein antibody|SEROTONIN 5HT2B RECEPTOR antibody|Serotonin receptor 2B antibody| Stomach fundus serotonin receptor antibody

Gene ID: 3357

UniProt: [P41595](#)

Pathways: [JAK-STAT Signaling](#), [Inositol Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
Notes: Tested Species: Species with positive results.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

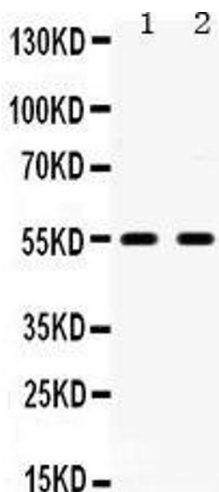
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Observed bind size: 54KD