

Datasheet for ABIN2792273  
**anti-HTR2A antibody (N-Term)**



[Go to Product page](#)

1 Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µL                               |
| Target:              | HTR2A                                |
| Binding Specificity: | N-Term                               |
| Reactivity:          | Human, Mouse, Pig                    |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This HTR2A antibody is un-conjugated |
| Application:         | Western Blotting (WB)                |

## Product Details

|                       |                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human HTR2A                                      |
| Sequence:             | DILCEENTSL SSTTNSLMQL NDDTRLYSND FNSGEANTSD AFNWTVDSEN                                                                          |
| Predicted Reactivity: | Human: 100%, Mouse: 78%, Pig: 92%                                                                                               |
| Characteristics:      | This is a rabbit polyclonal antibody against HTR2A. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified                                                                                                               |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | HTR2A                                    |
| Alternative Name: | HTR2A ( <a href="#">HTR2A Products</a> ) |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | <p>HTR2A belongs to the G-protein coupled receptor 1 family. It is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. This receptor is involved in tracheal smooth muscle contraction, bronchoconstriction, and control of aldosterone production.</p> <p>Alias Symbols: 5-HT2A, HTR2</p> <p>Protein Interaction Partner: LYN, CBL, NDUFB10, ANKS1B, MRPL28, EIF3F, DLG4, PON2, NME3, GNAQ, PPP5C, MAP1A, RPS6KA3, NTRK3, JAK2, GNA11, GNAI1, GLUL,</p> <p>Protein Size: 471</p> |
| Molecular Weight: | 52 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID:          | 3356                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NCBI Accession:   | <a href="#">NM_000621</a> , <a href="#">NP_000612</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt:          | <a href="#">P28223</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pathways:         | <a href="#">JAK-STAT Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 471 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                    |
| 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 freeze-thaw cycles.                                                                                     |

Handling

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                                                                                  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

**Image 1.** WB Suggested Anti-HTR2A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 721\_B cell lysate HTR2A is supported by BioGPS gene expression data to be expressed in 721\_B