

Datasheet for ABIN2776329

**anti-P2RX2 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                          |
| Target:              | P2RX2                                                                           |
| Binding Specificity: | N-Term                                                                          |
| Reactivity:          | Human, Mouse, Rat, Rabbit, Horse, Dog, Guinea Pig, Cow, Zebrafish (Danio rerio) |
| Host:                | Rabbit                                                                          |
| Clonality:           | Polyclonal                                                                      |
| Conjugate:           | This P2RX2 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 P2RX2                                      |
| Sequence:             | VVRNRRLGVL YRAVQLLILL YFVWYVFIVQ KSYQESETGP ESSIITKVKG                                                                          |
| Predicted Reactivity: | Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%, Zebrafish: 79%                |
| Characteristics:      | This is a rabbit polyclonal antibody against P2RX2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified                                                                                                               |

## Target Details

|         |       |
|---------|-------|
| Target: | P2RX2 |
|---------|-------|

## Target Details

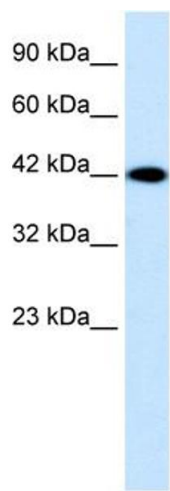
|                   |                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | P2RX2 ( <a href="#">P2RX2 Products</a> )                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>The product of P2RX2 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle.</p> <p>Alias Symbols: P2X2</p> <p>Protein Interaction Partner: P2RX2, GABRR1, P2RX3, P2RX1,</p> <p>Protein Size: 404</p> |
| Molecular Weight: | 44 kDa                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID:          | 22953                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Accession:   | <a href="#">NM_174873</a> , <a href="#">NP_777362</a>                                                                                                                                                                                                                                                                                                    |
| Pathways:         | <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>                                                                                                                                                                                                                                        |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 404 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.                                                                                                      |
| 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. |



Western Blotting

**Image 1.** WB Suggested Anti-P2RX2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate