

Datasheet for ABIN2776335  
**anti-P2RX7 antibody (N-Term)**

3 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	P2RX7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RX7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human P2RX7
Sequence:	IQSMNYGTIK WFFHVIIFS Y VCFALVSDKL YQRKEPVISS VHTKVKGIAE
Predicted Reactivity:	Cow: 93%, Dog: 79%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against P2RX7. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	P2RX7
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## Target Details

Alternative Name:	P2RX7 ( <a href="#">P2RX7 Products</a> )
Background:	<p>The product P2RX7 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression.</p> <p>Alias Symbols: P2X7</p> <p>Protein Interaction Partner: KRTAP10-8, KRT31, TM9SF1, CASK, EFN3, EMP3, PANX1, SVIL, ACTB,</p> <p>Protein Size: 595</p>
Molecular Weight:	69 kDa
Gene ID:	5027
UniProt:	<a href="#">Q99572</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 595 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.

## Publications

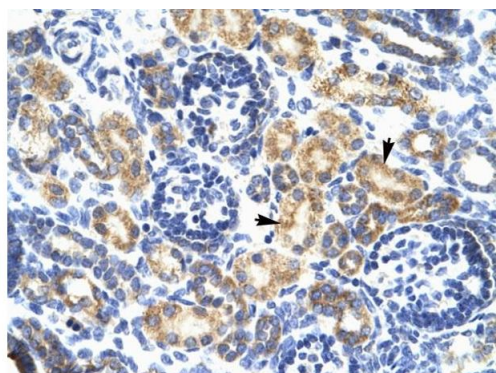
Product cited in: Mullins, Crawford, Khuder, Hernandez, Yoon, Willey: "CEBPG transcription factor correlates with antioxidant and DNA repair genes in normal bronchial epithelial cells but not in individuals with bronchogenic carcinoma." in: **BMC cancer**, Vol. 5, pp. 141, (2005) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-P2RX7 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate

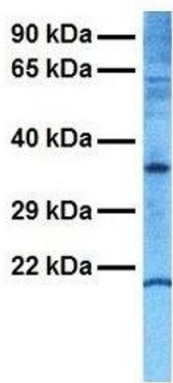


Rabbit Anti-P2RX7 Antibody  
Catalog Number: ARP35518  
Lot Number: QC4796  
Paraffin Embedded Tissue: Human Kidney  
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Human kidney

P2RX7



Western Blotting

**Image 3.** Host: Rabbit Target Name: P2RX7 Sample Tissue:  
Human Hela Antibody Dilution: 1.0ug/ml