

Datasheet for ABIN651861  
**anti-P2RX7 antibody (AA 563-592)**[2 Images](#)[1 Publication](#)[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	P2RX7
Binding Specificity:	AA 563-592
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RX7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This P2RX7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 563-592 amino acids of human P2RX7.
Clone:	RB21714
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	P2RX7
Alternative Name:	P2RX7 ( <a href="#">P2RX7 Products</a> )
Background:	P2RX7 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-

## Target Details

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.

Molecular Weight: 68585

Gene ID: 5027

NCBI Accession: [NP\\_002553](#)

UniProt: [Q99572](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Synaptic Vesicle Exocytosis](#)

## Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

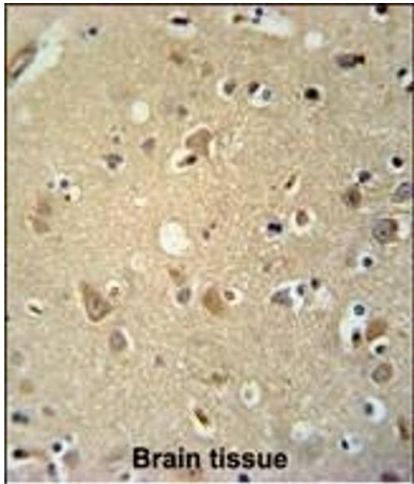
Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

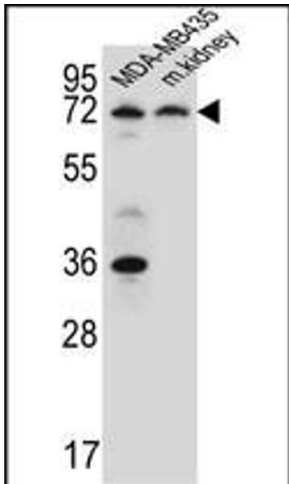
## Publications

Product cited in: Hu, Zhou, Zhao, Wu: "Integrin α6/Akt/Erk signaling is essential for human breast cancer resistance to radiotherapy." in: **Scientific reports**, Vol. 6, pp. 33376, (2018) ([PubMed](#)).



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** P2RX7 Antibody (C-term) (ABIN651861 and ABIN2840427) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the P2RX7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** P2RX7 Antibody (C-term) (ABIN651861 and ABIN2840427) western blot analysis in MDA-M cell line and mouse kidney tissue lysates (15 µg/lane). This demonstrates the P2RX7 antibody detected the P2RX7 protein (arrow).