

## Anti-P2X purinoceptor 7 P2RX7 Antibody

Catalog Number: A01208

### About P2RX7

The purinergic receptor P2X ligand-gated ion channel 7 (P2RX7) belongs to the family of purinoceptors for ATP (1). 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 (1,2). 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 (2). Recent studies have suggested that P2RX7 may play a key role in immune-mediated diseases such as rheumatoid arthritis (3) as well as neuropsychiatric disorders (4).

### Overview

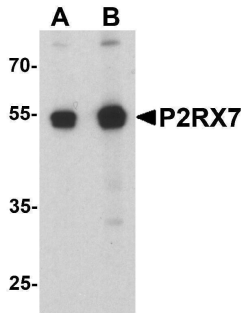
Product Name	Anti-P2X purinoceptor 7 P2RX7 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-P2X purinoceptor 7 P2RX7 Antibody (Catalog # A01208). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	P2RX7 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	P2RX7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q99572

### Technical Details

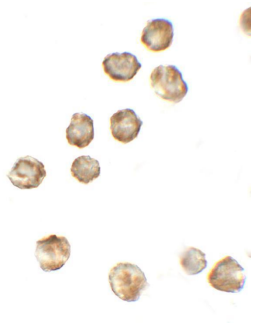
Immunogen	P2RX7 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human P2RX7. The immunogen is located within the last 50 amino acids of P2RX7.
Predicted Reactive Species	Rat
Cross Reactivity	P2RX7 antibody is human, mouse, and rat reactive. Multiple isoforms of P2RX7 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	P2RX7 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	P2RX7 antibody can be used for detection of P2RX7 by Western blot at 1 - 2 ug/ml. Antibody can

also be used for immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.  
Antibody validated: Western Blot in mouse samples; Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

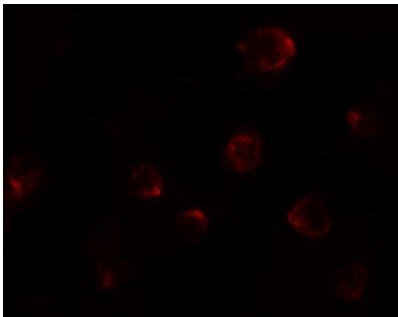
## Anti-P2X purinoceptor 7 P2RX7 Antibody (A01208) Images



Western blot analysis of P2RX7 in 3T3 cell lysate with P2RX7 antibody at (A) 1 and (B) 2 ug/ml.



Immunocytochemistry of P2RX7 in 3T3 cells with P2RX7 antibody at 5 ug/mL.



Immunofluorescence of P2RX7 in 3T3 cells with P2RX7 antibody at 20 ug/mL.

## 1 Publications Citing This Product

1. PubMed ID: 32783373, Zou Z,Wang Q,Zhou M,Li W,Zheng Y,Li F,Zheng S,He Z.Protective effects of P2X7R antagonist in sepsis-induced acute lung injury in mice via regulation of circ\_0001679 and circ\_0001212 and downstream Pln, Cdh2, and Nprl3 expression.J Gene Med.2020 Dec;22(12)

Visit [bosterbio.com/anti-p2x-purinoceptor-7-p2rx7-antibody-a01208-boster.html](https://bosterbio.com/anti-p2x-purinoceptor-7-p2rx7-antibody-a01208-boster.html) to see all 1 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



For Research Use Only. Not for use in diagnostic procedures.