

## P2X7 Antibody (R31244)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31244      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                        |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                        |
| <b>Format</b>             | Antigen affinity purified                                                |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                               |
| <b>Isotype</b>            | Rabbit IgG                                                               |
| <b>Purity</b>             | Antigen affinity                                                         |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| <b>UniProt</b>            | Q64663                                                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                                |
| <b>Limitations</b>        | This P2X7 antibody is available for research use only.                   |



Western blot testing of P2X7 antibody and human U87-MG cell lysate. Expected molecular weight: 65~85 kDa depending on glycosylation level.

## Description

P2X purinoceptor 7, also called P2X7, is a protein that in humans is encoded by the P2RX7 gene. The product of this gene belongs to the family of purinoceptors for ATP. P2RX7 was mapped to chromosome 12q24 by fluorescence in situ hybridization. It is a receptor for ATP that acts as a ligand-gated ion channel. This gene is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. It could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the P2X7 antibody may be required

due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

An amino acid sequence from the N-terminus of rat P2RX7 (MPACCSWNDVFQYETNKVTR) was used as the immunogen for this P2X7 antibody.

## **Storage**

After reconstitution, the P2X7 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.