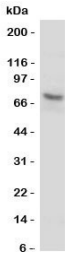
P2X7 Antibody (R31244)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q64663
Applications	Western blot: 0.5-1ug/ml
Limitations	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 purnoceptors 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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