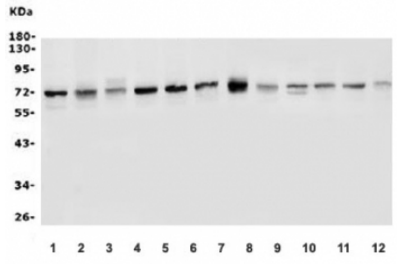
P2X4 Antibody / P2RX4 / P2X4R (R31717)

Catalog No.	Formulation	Size
R31717	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, Monkey
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
Gene ID	5025
Applications	Western blot: 0.5-1ug/ml
Limitations	This P2X4 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) human A375, 4) human T-47D, 5) human A549, 6) monkey COS-7, 7) rat NRK, 8) rat RH-35, 9) mouse kidney, 10) mouse liver, 11) mouse RAW264.7 and 12) mouse HEPA1-6 cell lysate with P2X4 antibody. Expected molecular weight: 43-70 kDa depending on glycosylation level.

Description

Purinoceptor P2X4, also called P2X4R is a protein that in humans is encoded by the P2RX4 gene. This gene belongs to the family of purinoceptors for ATP. P2RX4 is a receptor for ATP that acts as a ligand-gated ion channel. P2X4 in hyperactive microglia is necessary for tactile allodynia after nerve injury and is sufficient to produce tactile allodynia in normal animals. P2X receptors have beeb implicated in the regulation of cardiac function, ATP-mediated cell death, synaptic strengthening, and activating of the inflammasome in response to injury.

Application Notes

Variations in secondary/substrate sensitivities and test protocols may require the P2X4 antibody to be titrated for optimal performance.

Immunogen

Human partial recombinant protein (AA 262-388) was used as the immunogen for this P2X4 antibody.

Storage

The P2X4 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.

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