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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-P2X2/P2RX2 Antibody Picoband® APC Conjugated

Catalog Number: PB9303-APC

About P2RX2

The P2RX2 gene encodes the P2X2 receptor, which assembles as a trimer to form a ligand-gated ion channel gated by extracellular ATP. P2X2 receptors mediate a variety of cellular responses, including excitatory postsynaptic responses in sensory neurons. The product of this gene belongs to the family of purinoceptors for ATP. P2RX2 is mapped to 12q24.33. It has been found that ATP-activated P2RX2 influenced OHC electromotility, a stimulus-induced change in hair cell length that functions as an amplifier to determine hearing sensitivity and frequency selectivity. What's more, P2RX2 channels were necessary for development of the temporary threshold shift.

Overview

Product Name	Anti-P2X2/P2RX2 Antibody Picoband® APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9UBL9

Technical Details

Immunogen	E.coli-derived human P2X2 recombinant protein (Position: D139-L471). Human P2X2 shares 84% amino acid (aa) sequence identity with both mouse and rat P2X2.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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2 Publications Citing This Product

1. PubMed ID: 20705122, Lin J, Li G, Den X, Xu C, Liu S, Gao Y, Liu H, Zhang J, Li X, Liang S. Brain Res Bull. 2010 Oct 30;83(5):284-91. Doi: 10.1016/J.Brainresbull.2010.08.002. Epub 2010 Aug 10. Vegf And Its Receptor-2 Involved In Neuropathic Pain Transmission Mediated ...

2. PubMed ID: 25561285, Meng M, Zheng J, Yan J, Li Q, Fang Q, Li W. Cell Biochem Biophys. 2015 Jan 6. [Epub Ahead Of Print] P2X2 And P2X5 Receptors Mediate Bladder Hyperesthesia In Icc In Female Overactive Bladder.

Visit bosterbio.com/anti-p2x2-picoband-trade-antibody-pb9303-boster.html to see all 2 publications.

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Anti-P2X2/P2RX2 Antibody - APC

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