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3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Nicotinic Acetylcholine Receptor alpha 5/CHRNA5 Antibody Picoband® APC Conjugated

Catalog Number: A02359-2-APC

About CHRNA5

Neuronal acetylcholine receptor subunit alpha-5 is a protein that in humans is encoded by the CHRNA5 gene. It is mapped to 15q25.1. The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).

Overview

Product Name	Anti-Nicotinic Acetylcholine Receptor alpha 5/CHRNA5 Antibody Picoband® APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
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	P30532

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CHRNA5, different from the related mouse sequence by five amino acids, and from the related rat sequence by four amino acids.
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

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Suggested Dilutions	Optimal dilutions should be determined by end users.

5 Publications Citing This Product

1. PubMed ID: 10.3390/md17050256, Cervical Cancer Correlates with the Differential Expression of Nicotinic Acetylcholine Receptors and Reveals Therapeutic Targets

2. PubMed ID: 10.3390/md18010061, Differential Expression of Nicotine Acetylcholine Receptors Associates with Human Breast Cancer and Mediates Antitumor Activity of alphaO-Conotoxin GeXIVA

3. PubMed ID: 10.1016/j.ejphar.2019.172674, Identification of nicotinic acetylcholine receptor subunits in different lung cancer cell lines and the inhibitory effect of alpha-conotoxin TxID on lung cancer cell growth

Visit bosterbio.com/anti-chrna5-picoband-trade-antibody-a02359-2-boster.html to see all 5 publications.

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