

## Anti-ALDH1B1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB10037-Fluoro488

### About ALDH1B1

Aldehyde dehydrogenase X, mitochondrial is an enzyme that in humans is encoded by the ALDH1B1 gene. This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems.

### Overview

Product Name	Anti-ALDH1B1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P30837

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ALDH1B1, different from the related mouse sequence by one amino acid, and from the related rat sequence by two 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	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 29416787, Wang X, Yu Y, He Y, Cai Q, Gao S, Yao W, Liu Z, Tian Z, Han Q, Wang W, Sun R, Luo Y, Li C. Oncotarget. 2017 Dec 20;9(2):2502-2514. doi: 10.18632/oncotarget.23506. eCollection 2018 Jan 5. Upregulation of ALDH1B1 promotes tumor progression in osteos...

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