

Anti-Talin 2/TLN2 Antibody Picoband® APC Conjugated

Catalog Number: PB9961-APC

About TLN2

Talin 2 is a protein in humans that is encoded by the TLN2 gene. It belongs to the talin protein family. This gene encodes a protein related to talin 1, a cytoskeletal protein that plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. Talin-2 is expressed at high levels in cardiac muscle and functions to provide linkages between the extracellular matrix and actin cytoskeleton at costamere structures to transduce force laterally.

Overview

Product Name	Anti-Talin 2/TLN2 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% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9Y4G6

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Talin 2.
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.

4 Publications Citing This Product

1. PubMed ID: 10.1096/fj.201900945R, Cyanidin³glucoside binds to talin and modulates colon cancer cell adhesions and 3D growth
2. PubMed ID: 10.1016/j.bbamcr.2020.118693, Talin2 mediates secretion and trafficking of matrix metalloproteinase 9 during invadopodium formation
3. PubMed ID: -, Poss, Ken & Pronobis, Mira & Zheng, Susan & Singh, Sumeet. (2021). In vivo proximity labeling identifies cardiomyocyte protein networks during zebrafish heart regeneration. 10.1101/2021.01.19.427246.

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