

Anti-Talin 2/TLN2 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9961-Cy3

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® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ 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	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	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	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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