

Anti-gamma Catenin Antibody Picoband® (monoclonal, 4C12D7) FITC Conjugated

Catalog Number: M01901-3-FITC

About JUP

Junction plakoglobin(JUP), also known as gamma-catenin, is a protein that in humans is encoded by the JUP gene. It is a member of the catenin protein family and homologous to beta-catenin, and it is mapped to 17q21.2. This gene encodes a major cytoplasmic protein that is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins. Meanwhile, JUP may have distinct roles in Wnt signaling and cancer via differential effects on downstream target genes.

Overview

Product Name	Anti-gamma Catenin Antibody Picoband® (monoclonal, 4C12D7) FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Monoclonal 4C12D7
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	Mouse
Uniprot ID	P14923

Technical Details

Immunogen	E.coli-derived human gamma Catenin recombinant protein (Position: M556-A745). Human gamma Catenin shares 98% amino acid (aa) sequence identity with both mouse and rat gamma Catenin.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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