

## Anti-Plakophilin 2/PKP2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA2278-Fluoro488

### About PKP2

Plakophilin-2 is a protein that in humans is encoded by the PKP2 gene. This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. It is mapped to 12p11.21. PKP2 is a constituent of the desmosomal plaque in simple epithelia, some stratified epithelia, and some nonepithelial cells. PKP2 is also enriched in the karyoplasm of cells of various types, including those lacking desmosomes. Plakophilin proteins participate in linking cadherins to intermediate filaments in the cytoskeleton and this gene product may regulate the signaling activity of beta-catenin. PKP2 has been shown to interact with Desmoplakin, Plakoglobin and Desmoglein 1.

### Overview

Product Name	Anti-Plakophilin 2/PKP2 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (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 <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q99959

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Plakophilin 2, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
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	Optimal dilutions should be determined by end users.

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