

Anti-Plakophilin 2/PKP2 Antibody Picoband®

Catalog Number: PA2278

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

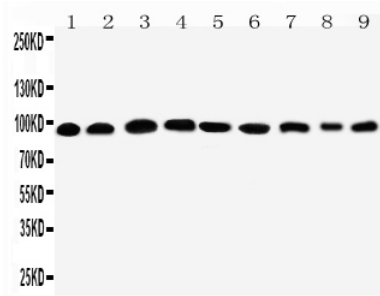
Product Name	Anti-Plakophilin 2/PKP2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Plakophilin 2/PKP2 Antibody catalog # PA2278. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
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.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-Plakophilin 2/PKP2 Antibody Picoband® (PA2278) Images



Anti-Plakophilin 2 antibody, PA2278, All Western blotting
lanes: Anti-PKP2(PA2278) at 0.5ug/ml Lane 1: Rat Cardiac Muscle Tissue Lysate at 40ug Lane 2: Human Placenta Tissue Lysate at 40ug Lane 3: Rat Brain Tissue Lysate at 40ug Lane 4: Rat Intestine Tissue Lysate at 40ug Lane 5: HELA Whole Cell Lysate at 40ug Lane 6: JURKAT Whole Cell Lysate at 40ug Lane 7: 293T Whole Cell Lysate at 40ug Lane 8: MCF-7 Whole Cell Lysate at 40ug Lane 9: U87 Whole Cell Lysate at 40ug Predicted bind size: 97KD Observed bind size: 97KD

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