

## Goat anti-Plakophilin 2 (aa125-139) Antibody

<b>Item Number</b>	dAP-2350
<b>Target Molecule</b>	Principle Name: Plakophilin 2 (aa125-139); Official Symbol: PKP2; All Names and Symbols: PKP2; plakophilin 2; ARVD9; MGC177501; plakophilin-2; Accession Number (s): NP_001005242.2; NP_004563.2; Human Gene ID(s): 5318; Non-Human GeneID(s): 67451 (mouse) 287925 (rat)
<b>Immunogen</b>	RGTAQYSSQKSVEER, is from internal region This antibody is expected to recognize both reported isoforms (NP_001005242.2; NP_004563.2).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 100kDa band observed in Mouse and Rat Heart lysates (calculated MW of 88.1kDa according to Mouse NP_080439.1 and 87.8kDa according to Rat NP_001093969.1). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Christensen AH, Benn M, Tybjaerg-Hansen A, Haunso S, Svendsen JH, Missense variants in plakophilin-2 in arrhythmogenic right ventricular cardiomyopathy patients--disease-causing or innocent bystanders? <i>Cardiology</i> 2010 115 (2): 148-54..PMID: 19955750->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**