

Datasheet for ABIN954172

**anti-Plakophilin 2 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	Plakophilin 2 (PKP2)
Binding Specificity:	AA 837-866, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Plakophilin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 837-866 amino acids from the C-terminal region of Human Plakophilin-2 Genename: PKP2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Plakophilin-2 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	Plakophilin 2 (PKP2)
Alternative Name:	Plakophilin-2 ( <a href="#">PKP2 Products</a> )

## Target Details

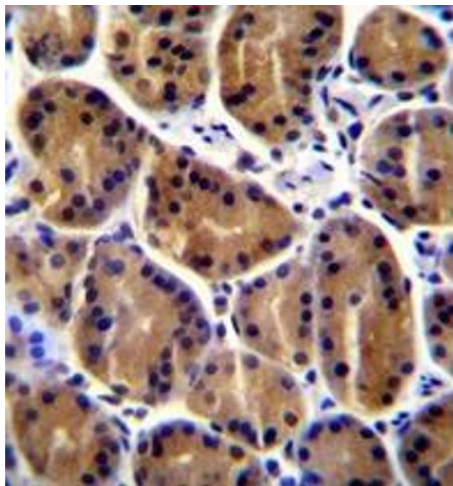
Background:	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This gene product may regulate the signaling activity of beta-catenin. Two alternately spliced transcripts encoding two protein isoforms have been identified. A processed pseudogene with high similarity to this locus has been mapped to chromosome 12p13.Synonyms: PKP2
Molecular Weight:	97415 Da
Gene ID:	5318
NCBI Accession:	<a href="#">NP_004563</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

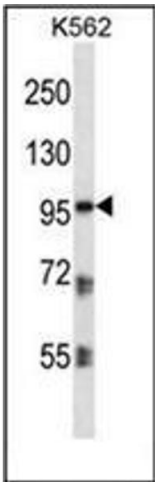
## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue reacte with Plakophilin-2 Antibody (C-term) followed whcih was peroxidase conjugated to the secondary antibody and followed by DAB staining.This data demonstrates the use of PKP2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis of Plakophilin-2 Antibody (C-term) in K562 cell line lysates (35ug/lane).