

Datasheet for ABIN969225

**anti-JUP antibody**

6 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	JUP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human JUP expressed in E. coli.
Clone:	4C12
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	JUP
Alternative Name:	JUP ( <a href="#">JUP Products</a> )
Background:	Description: This gene encodes a major cytoplasmic protein which 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 and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease.

## Target Details

Alternative splicing occurs in this gene, however, not all transcripts have been fully described.  
Aliases: DP3, PDGB, PKGB, CTNNG, DPIII, ARVD12

Molecular Weight: 82 kDa

Gene ID: 3728

HGNC: 3728

Pathways: [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

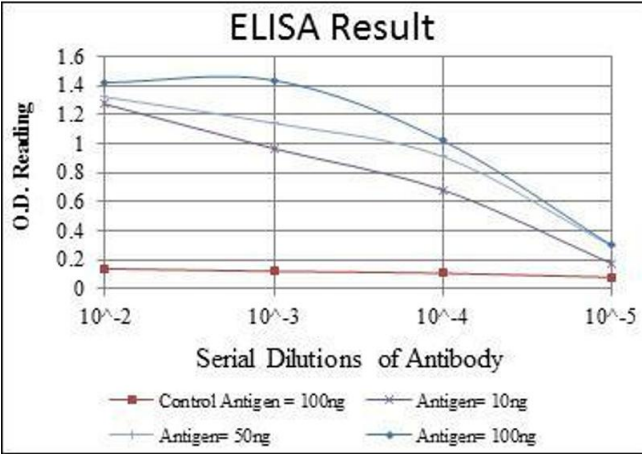
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

## Publications

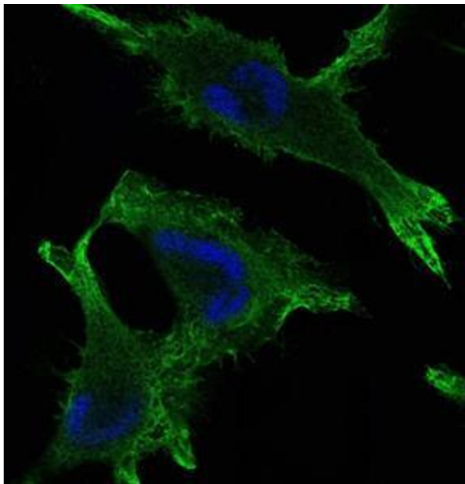
Product cited in: Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) ([PubMed](#)).

Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) ([PubMed](#)).



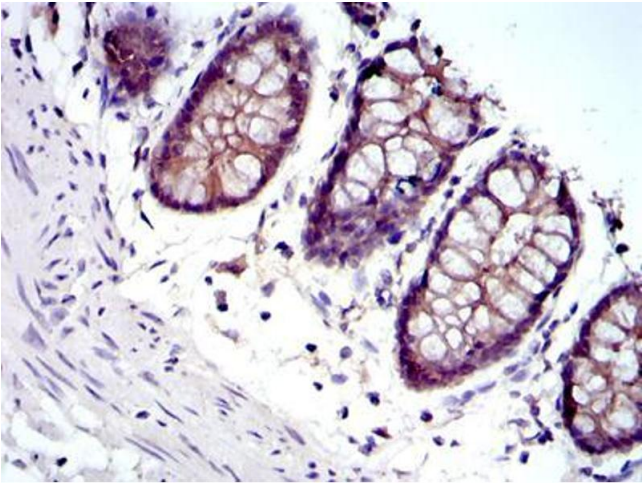
### ELISA

**Image 1.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of U251 cells using JUP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded rectum tissues using JUP mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN969225.