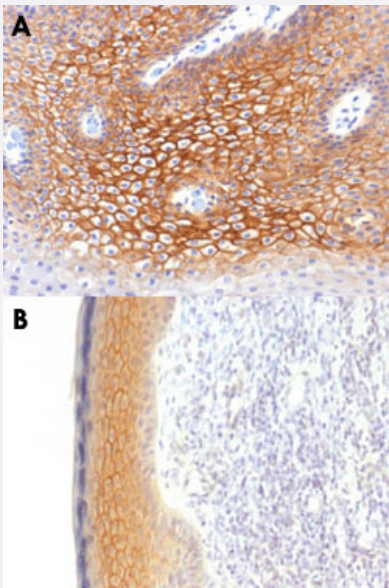


# JUP monoclonal antibody, clone CTNG/1483

Catalog # MAB14828      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervical carcinoma (A) and human skin (B) with JUP monoclonal antibody, clone CTNG/1483 (Cat # MAB14828).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant human JUP.
<b>Immunogen</b>	Recombinant protein corresponding to full length human JUP.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	80-87
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG1, kappa

**Recommend Usage**

Flow Cytometry (0.5-1 ug/10<sup>6</sup> cells)  
Immunofluorescence (1-2 ug/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.1-0.2 ug/mL)  
Western Blotting (0.5-1 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer**

In 10 mM PBS.

**Storage Instruction**

Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervical carcinoma (A) and human skin (B) with JUP monoclonal antibody, clone CTNG/1483 (Cat # MAB14828).
- Immunofluorescence
- Flow Cytometry

## Gene Info — JUP

**Entrez GeneID**

[3728](#)

**Protein Accession#**

[P14923](#)

**Gene Name**

JUP

**Gene Alias**

ARVD12, CTNNG, DP3, DPIII, PDGB, PKGB

**Gene Description**

junction plakoglobin

**Omim ID**

[173325 601214](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

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. Alternative splicing occurs in this gene; however, not all transcripts have been fully described. [provided by RefSeq]

**Other Designations**

OTTHUMP00000164735|catenin (cadherin-associated protein), gamma (80kD)|catenin (cadherin-associated protein), gamma 80kDa|gamma-catenin

**Publication Reference**

- [alphaT-catenin: a novel tissue-specific beta-catenin-binding protein mediating strong cell-cell adhesion.](#)

Janssens B, Goossens S, Staes K, Gilbert B, van Hengel J, Colpaert C, Bruyneel E, Mareel M, van Roy F.

Journal of Cell Science 2001 Sep; 114(Pt 17):3177.

Application: ELISA, IF, IHC-Fr, IP, WB-Ti, WB-Tr, Human, Mouse, HEK 293 cells, Human heart, Human testes, Mouse organs

**Pathway**

- [Acute myeloid leukemia](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Pathways in cancer](#)

**Disease**

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Genetic Predisposition to Disease](#)