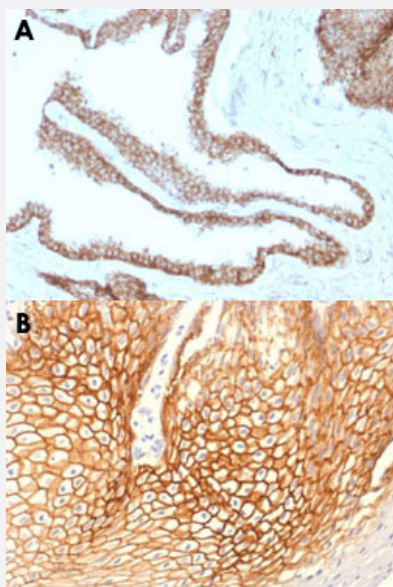


JUP monoclonal antibody, clone CTNG/1664

Catalog # MAB14573 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma (A) and human cervical carcinoma (B) with JUP monoclonal antibody, clone CTNG/1664 (Cat # MAB14573).

Specification

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

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ 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 (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma (A) and human cervical carcinoma (B) with JUP monoclonal antibody, clone CTNG/1664 (Cat # MAB14573).
- 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](#)