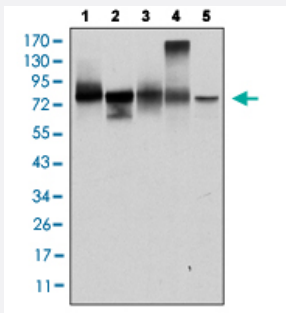


JUP monoclonal antibody, clone 4C12

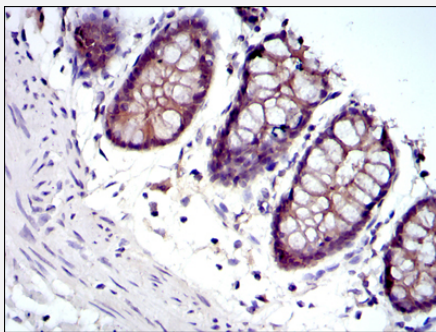
Catalog # MAB15260 Size 100 uL

Applications



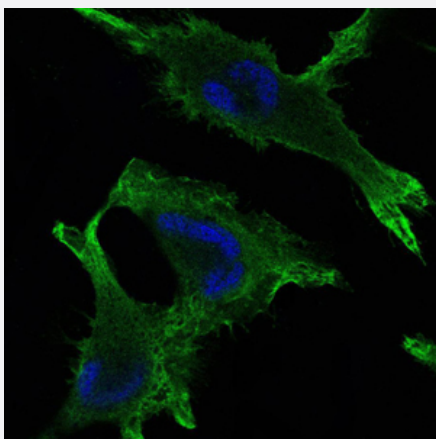
Western Blot (Cell lysate)

Western Blot analysis of Line 1: T47D, Line 2: MCF-7, Line 3: SKBR-3, Line 4: A431 and Line 5: HEK293 cell lysate.



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum.

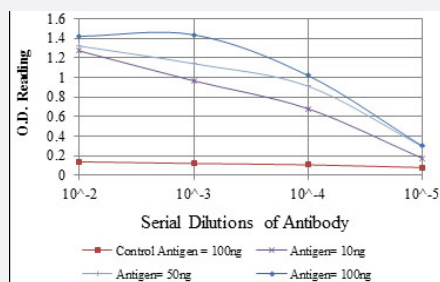


Immunofluorescence

Immunofluorescence staining of U251 cells using JUP monoclonal antibody, clone 4C12 (Green). Blue: DAPI fluorescent DNA dye.

Enzyme-linked Immunoabsorbent Assay

ELISA analysis of JUP monoclonal antibody, clone 4C12.



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human JUP.
Immunogen	Recombinant protein corresponding to human JUP.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	ELISA (1:10000) Immunofluorescence (1:200-1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic fluid (0.03% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

● Western Blot (Cell lysate)

Western Blot analysis of Line 1: T47D, Line 2: MCF-7, Line 3: SKBR-3, Line 4: A431 and Line 5: HEK293 cell lysate.

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum.

- Immunofluorescence

Immunofluorescence staining of U251 cells using JUP monoclonal antibody, clone 4C12 (Green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of JUP monoclonal antibody, clone 4C12.

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

Pathway

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

Disease

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