
Product Name: KD-Validated JUP Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01770**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 81.7kDa

Antigen Information

Gene Name	JUP
Alternative Names	JUP; Junction Plakoglobin; DP3; DP113; CTNNG; PDGB; PKGB; PG; Catenin (Cadherin-Associated Protein), Gamma 80kDa; Desmosomal Protein 3; Desmoplakin III; Desmoplakin-3; Catenin Gamma
Gene ID	3728.0
SwissProt ID	P14923
Immunogen	A synthesized peptide derived from human Catenin gamma

Background

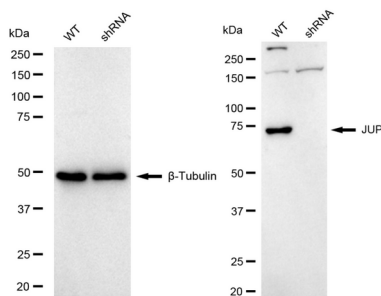
This gene encodes a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal

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, Jul 2008]

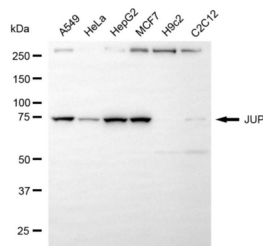
Research Area

Signal Transduction

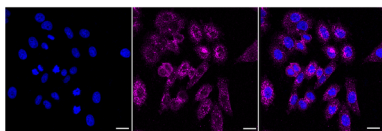
Image Data



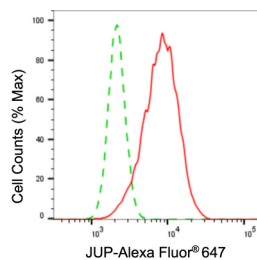
Western blotting analysis using JUP antibody (KVA01770). JUP expression in wild type (WT) and JUP shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with JUP antibody (KVA01770, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using JUP antibody (KVA01770). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with JUP antibody (KVA01770, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with JUP antibody (KVA01770, 1:1,000). Nuclei were stained blue with DAPI; JUP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of JUP expression in HepG2 cells using JUP antibody (KVA01770, 1:2,000). Green, isotype control; red, JUP.