# Anti-JUP antibody

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| **Cat. No.** | ml260138 |
| **Package** | 25 μl/100 μl/200 μl |
| **Storage** | -20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol |

**Product overview**

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| **Description** | Anti-JUP rabbit polyclonal antibody |
| **Applications** | ELISA, WB, IHC |
| **Immunogen** | Synthetic peptide of human JUP |
| **Reactivity** | Human, Mouse, Rat |
| **Content** | 0.2 mg/ml |
| **Host species** | Rabbit |
| **Ig class** | Immunogen-specific rabbit IgG |
| **Purification** | Antigen affinity purification |

**Target information**

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| **Symbol** | JUP |
| **Full name** | Junction plakoglobin |

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| **Synonyms** | DP3, PDGB, PKGB, CTNNG, DPIII, ARVD12 |
| **Swissprot** | P14923 |

**Target 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.

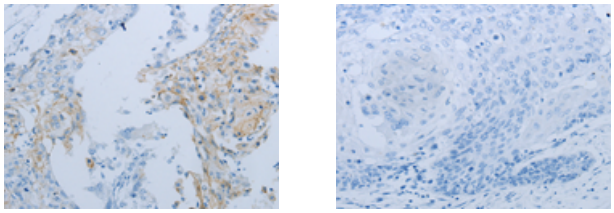
**Applications**

**Immunohistochemistry**

Predicted cell location: Cell membrane

Positive control: Human cervical cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml260138(JUP Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

**Western blotting**

Predicted band size:82 kDa

Positive control:A549 and human fetal brain tissue

Recommended dilution: 200-1000

Gel: 10%SDS-PAGE

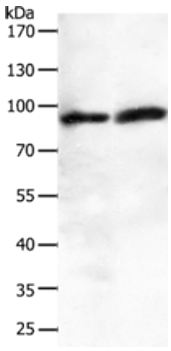
Lysate: 50 μg

Lane 1-2: A549 cells, human fetal brain tissue

Primary antibody: ml260138(JUP Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 minutes




**ELISA**

Recommended dilution: 1000-5000

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