

Product datasheet for **AM06681SU-N**

gamma Catenin (JUP) Mouse Monoclonal Antibody [Clone ID: 4C12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4C12
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human JUP expressed in E. Coli.
Specificity:	This antibody reacts to JUP.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	82 kDa
Gene Name:	junction plakoglobin
Database Link:	Entrez Gene 3728 Human P14923



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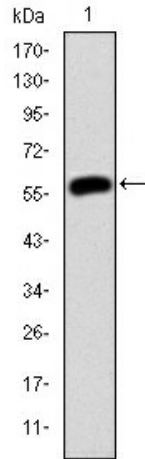
Background:

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.

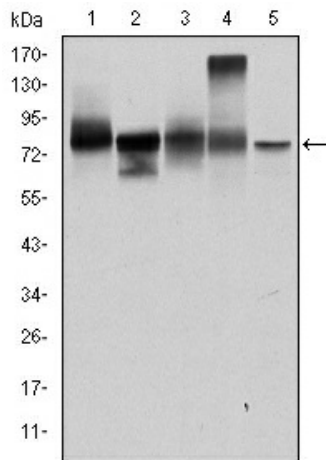
Synonyms:

Desmoplakin-3, Desmoplakin III, Catenin gamma, JUP, CTNNG, DP3

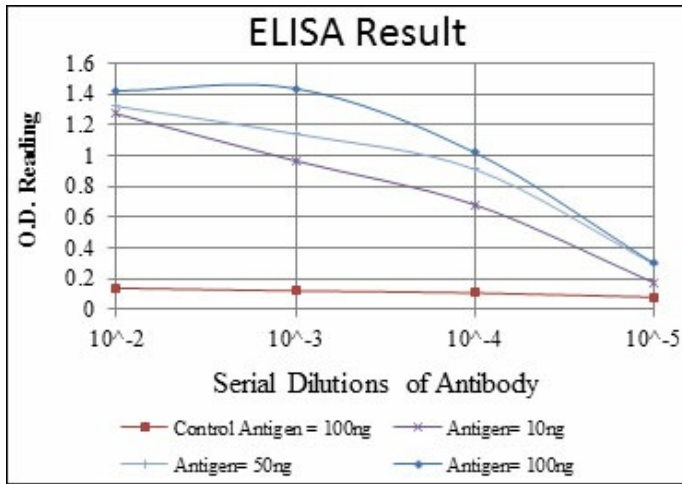
Product images:



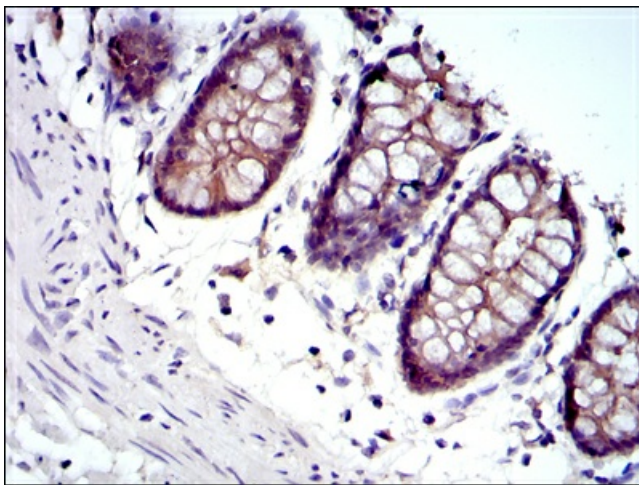
Western blot analysis using JUP mAb against human JUP (AA: 534-740) recombinant protein. (Expected MW is 48.5 kDa)



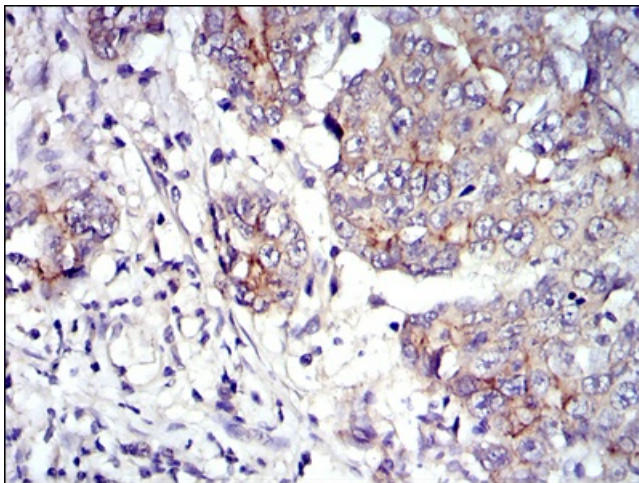
Western blot analysis using JUP mouse mAb against T47D (1), MCF-7 (2), SKBR-3 (3), A431 (4) and HEK293 (5) cell lysate.



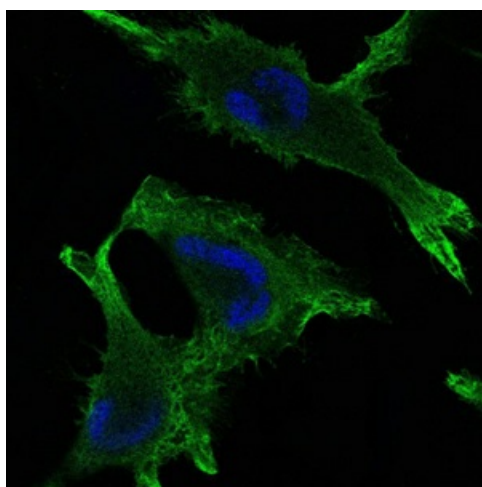
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded rectum tissues using JUP mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using JUP mouse mAb with DAB staining.



Immunofluorescence analysis of U251 cells using JUP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.