



# Rabbit Anti-JUP monoclonal antibody, clone KG1084 (CABT-L871)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	gamma Catenin
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	KG1084
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, FC
<b>Molecular Weight</b>	82 kDa
<b>Cellular Localization</b>	Cell junction, Cytoplasm, Membrane.
<b>Positive Control</b>	A431, MCF-7, Hela, mouse stomach tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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# BACKGROUND

Introduction	The catenins, $\alpha$ , $\beta$ and $\gamma$ , are proteins which bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. $\alpha$ -catenin was initially described as an E-cadherin associated protein, and since has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. $\beta$ -catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. $\beta$ -catenin has also been found in complexes with the tumor suppressor protein APC. $\gamma$ -catenin, also known as plakoglobin, binds with $\alpha$ -catenin and N-cadherin. It has been shown that the transmembrane phosphatase PTP $\mu$ associates with catenin/cadherin complexes and may regulate complex signaling.
Keywords	ARVD 12;ARVD12;Catenin (cadherin associated protein), gamma 80kDa;catenin (cadherin-associated protein) gamma (80kD);Catenin gamma;CTNNG;Desmoplakin 3;Desmoplakin III;Desmoplakin-3;Desmoplakin3;DesmoplakinIII;DP 3;DP III;DP3;DPIII;gamma catenin;Junction plakoglobin;JUP;OTTHUMP00000164732;OTTHUMP00000164735;OTTHUMP00000164738;PDGB;PKGB antibody