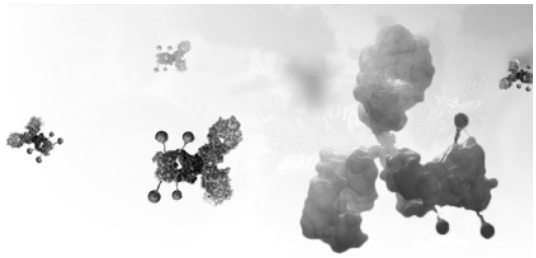

Mouse anti-Human γ-Catenin monoclonal antibody, clone 26 (CABT-B9369)

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

PRODUCT INFORMATION

Immunogen	Human γ-Catenin aa. 553-738
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog, Chicken
Clone	26
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IP
Format	Liquid
Concentration	250 μg/ml
Size	50 μg, 150 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	γ-Catenin (plakoglobin) was identified as a compenent of desmosomes where it associates with

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	desmoglein. γ-Catenin and β-Catenin are closely related proteins that have significant homology with the Drosophila armadillo protein. In addition to complexing with E-Cadherin, γ-Catenin and β-Catenin have been observed in association with the intracellular domain of N-Cadherin. It has been proposed that one molecule of α-Catenin and at least one molecule of β-Catenin and γ-Catenin simultaneously bind to a single cadherin molecule. A 19 amino acid sequence of desmoglein (Dsg1) was found to be critical for binding of γ-Catenin. This region has significant homology to the catenin-binding domain of classical cadherins, thus suggesting a common mechanism for γ-Catenin localization at both adherens junctions and desmosomes.
Keywords	JUP; junction plakoglobin; DP3; PDGB; PKGB; CTNNG; DPIII; ARVD12; desmoplakin-3; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa;

GENE INFORMATION

Entrez Gene ID	3728
UniProt ID	P14923

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