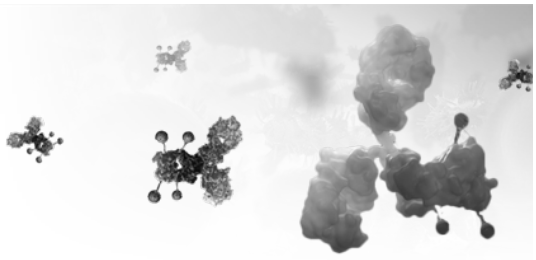

Mouse anti-Mouse δ-Catenin monoclonal antibody (CABT-B9370)

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

PRODUCT INFORMATION

Immunogen	Mouse δ-Catenin aa. 85-194
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Mouse
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
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	The catenins (α, β, γ, δ, p120[ctn]) are cytoplasmic proteins that are related to the Drosophila Armadillo protein. Catenins may have dual roles since they are components of cell-cell adherens junctions and can translocate to the nucleus after stimulation of the Wingless (Wnt-1

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	homolog) signaling pathway. α-Catenin has two subtypes: αE-Catenin, which is expressed ubiquitously, and αN-Catenin, which is expressed in the nervous system. β-Catenin binds to the cytoplasmic tail of E-Cadherin at adherens junctions and has been implicated in Wnt-1 signaling. γ-Catenin is associated with desmoglein in desmosomes and is closely related to β-Catenin. p120[ctn] is related to both β- and γ-catenin and is a substrate of tyrosine kinases localized at adherens junctions. δ-catenin was identified by its ability to bind the Alzheimer's disease-related protein, presenilin-1. It is most closely related to p120[ctn] and the desmosomal protein, p0071. It contains 10 Armadillo (Arm) repeats, as compared to the 13 Arm repeats found in β-Catenin. δ-Catenin is expressed at high levels in the developing nervous system, where it may be involved in neuronal progenitor cell migration and dendrite development.
Keywords	CTNND1; catenin (cadherin-associated protein), delta 1; CAS; p120; CTNND; P120CAS; P120CTN; p120(CAS); p120(CTN); catenin delta-1; p120 catenin; cadherin-associated Src substrate;

GENE INFORMATION

Entrez Gene ID	1500
UniProt ID	O60716

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