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Product datasheet for TA384056M

alpha 1 Catenin (CTNNA1) Rabbit Monoclonal Antibody [Clone ID: R07-7D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R07-7D5
Applications:	IP, WB
Recommended Dilution:	WB: 1/1000 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human alpha 1 Catenin
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 100 kDa; Observed MW: 100 kDa
Gene Name:	catenin alpha 1
Database Link:	Entrez Gene 1495 Human P35221

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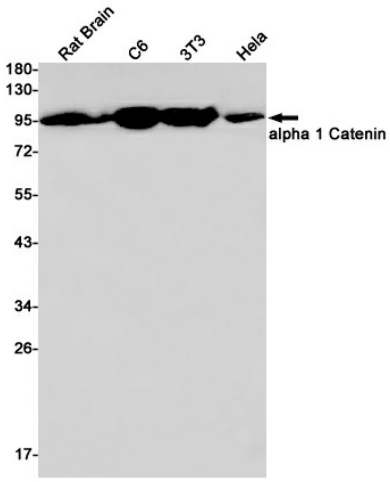
Background: Swiss-Prot Acc.P35221.Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. Can associate with both E- and N-cadherins. Originally believed to be a stable component of E-cadherin/catenin adhesion complexes and to mediate the linkage of cadherins to the actin cytoskeleton at adherens junctions. In contrast, cortical actin was found to be much more dynamic than E-cadherin/catenin complexes and CTNNA1 was shown not to bind to F-actin when assembled in the complex suggesting a different linkage between actin and adherens junctions components. The homodimeric form may regulate actin filament assembly and inhibit actin branching by competing with the Arp2/3 complex for binding to actin filaments. May play a crucial role in cell differentiation.

Synonyms: alpha-catenin; alpha-E-catenin; alphaE-catenin; CAP102; FLJ36832; FLJ52416

Product images:



Western blot analysis of alpha 1 Catenin in rat Brain, C6, 3T3, Hela lysates using CTNNA1 antibody.