

Product Data Sheet: Catenin alpha-1/CTNNA1

Cat. No: MAB-94590

Size: 100 ug

Clone: alpha-CAT-7A4

Concentration: 1mg/ml

Host: Ms Isotype: IgG1

Immunogen: catenin(cadherin-associated protein), alpha 1, 102kDa

Reactivity: Hu, Ms

Applications: Western Blot: 1:500-1:2000

Immunohistochemistry (paraffin-embedded tissues):1:50-1:1000

Molecular Weight: 95-100kDa

Purification: Protein A+G purification .

Synonyms: Alpha E catenin, Cadherin associated protein, CAP102, Catenin alpha 1, CTNNA1

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 celladhesion 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

Background: 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

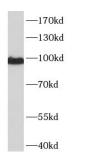
complex for binding to actin filaments. May play a crucial role in cell

differentiation.

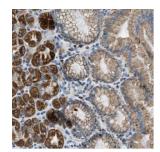
Form: Liquid

Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3

Storage: Storage-20°C for 12 months (Avoid repeated freeze / thaw cycles.) T483



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with (CTNNA1 Antibody) at dilution of 1:1000



Immunohistochemistry of paraffinembedded human stomach tissue slide using (CTNNA1 Antibody) at dilution of 1:200



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