

anti- CTNNA1 antibody

Product Information

Catalog No.:	FNab02056
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	0A11
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	catenin(cadherin-associated protein), alpha 1, 102kDa
Synonyms:	Alpha E catenin, Cadherin associated protein, CAP102, Catenin alpha 1, CTNNA1
Observed MW:	95-100 kDa
UniprotID :	P35221

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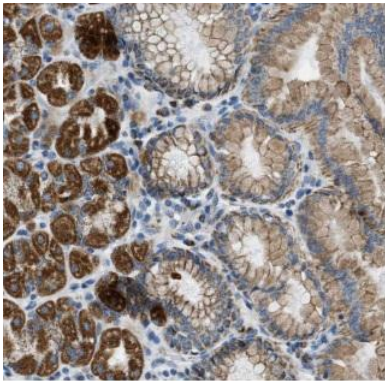
Application

Reactivity: Human, Mouse

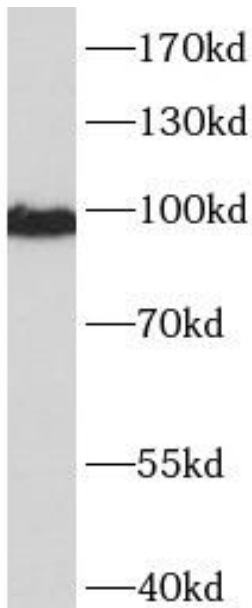
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:1000

Image:



Immunohistochemistry of paraffin-embedded human stomach tissue slide using FNab02056(CTNNA1 Antibody) at dilution of 1:200



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with FNab02056(CTNNA1 Antibody) at dilution of 1:1000

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