

Product datasheet for **TA321406**

alpha 1 Catenin (CTNNA1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A431 cells IHC: 50-200 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human catenin (cadherin-associated protein), alpha 1, 102kDa
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	100 kDa
Gene Name:	catenin alpha 1
Database Link:	NP_001894 Entrez Gene 12385 Mouse Entrez Gene 1495 Human P35221



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Background:

Catenin alpha-1 is a protein that in humans is encoded by the CTNNA1 gene. 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.

Synonyms:

CAP102; MDPT2

Protein Families:

Druggable Genome

Protein Pathways:

Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction

Product images:

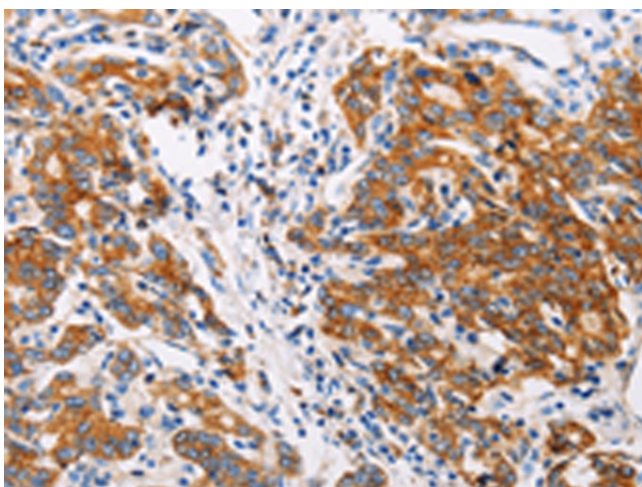
Gel: 8%SDS-PAGE

Lysate: 40 µg

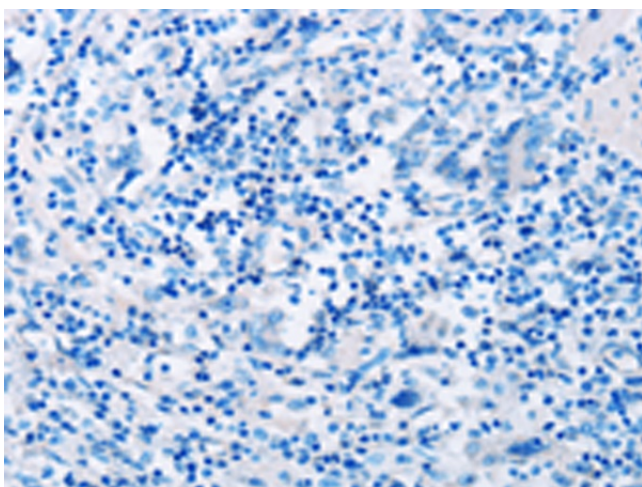
Lane: A431 cells

Primary antibody: TA321406 (CTNNA1 Antibody)
at dilution 1/600Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321406 (CTNNA1 Antibody) at dilution 1/35 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321406 (CTNNA1 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: $\times 200$)