

ARG58525 anti-alpha 1 Catenin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes alpha 1 Catenin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	alpha 1 Catenin
Species	Human
Immunogen	Synthetic peptide derived from Human alpha 1 Catenin.
Conjugation	Un-conjugated
Alternate Names	Catenin alpha-1; Renal carcinoma antigen NY-REN-13; Cadherin-associated protein; CAP102; Alpha E-catenin

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:10000 - 1:20000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 98 kDa	

Properties

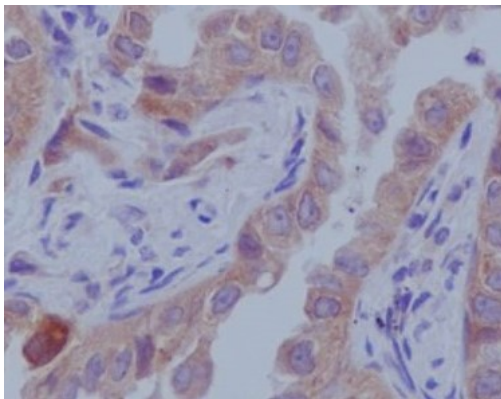
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

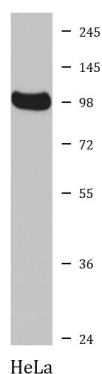
Gene Symbol	CTNNA1
Gene Full Name	catenin (cadherin-associated protein), alpha 1, 102kDa
Function	Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary 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. [UniProt]
Calculated Mw	100 kDa
PTM	Sumoylated. Phosphorylation seems to contribute to the strength of cell-cell adhesion rather than to the basic capacity for cell-cell adhesion. [UniProt]
Cellular Localization	Cell membrane > Peripheral membrane protein > Cytoplasmic side. [UniProt]

Images



ARG58525 anti-alpha 1 Catenin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG58525 anti-alpha 1 Catenin antibody.



ARG58525 anti-alpha 1 Catenin antibody WB image

Western blot: HeLa cell lysate stained with ARG58525 anti-alpha 1 Catenin antibody.