

Datasheet for ABIN6256395
anti-CTNNA1 antibody (pSer655, pThr658)



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1 Image

Overview

Quantity:	100 µL
Target:	CTNNA1
Binding Specificity:	pSer655, pThr658
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTNNA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human alpha 1 Catenin around the phosphorylation site of Ser655/Thr658.
Isotype:	IgG
Specificity:	Phospho-alpha 1 Catenin (Ser655/Thr658) Antibody detects endogenous levels of alpha 1 Catenin only when phosphorylated at Ser655/Thr658.
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	CTNNA1
Alternative Name:	CTNNA1 (CTNNA1 Products)

Target Details

Background: Description: 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.

Gene: CTNNA1

Molecular Weight: 100kDa

Gene ID: 1495

UniProt: [P35221](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

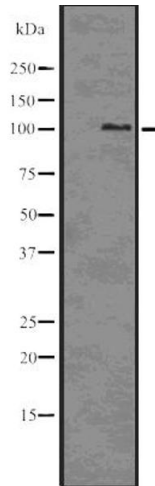
Storage: -20 °C

Handling

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western blot analysis of Phospho-E-Catenin (Ser655/Thr658) using HUVEC whole cell lysates