Recombinant CLSTN1 Monoclonal Antibody

catalog number: **E-AB-81547**

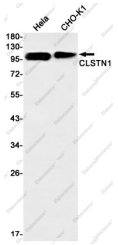
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Hamster
Immunogen	A synthetic peptide of human CLSTN1
Host	Rabbit
Isotype	Rabbit IgG
Clone	C223333
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100

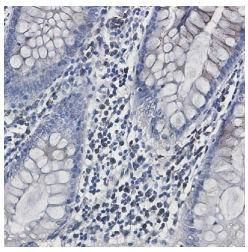
Data



Western blot detection of CLSTN1 in Hela,CHO-K1 cell lysates using CLSTN1 Rabbit mAb(1:1000 diluted).Predicted band size:110kDa.Observed band size:110kDa.

Observed-MW:110 kDa

Calculated-MW:110 kDa



Immunohistochemistry of CLSTN1 in paraffin-embedded Human colon cancer tissue using CLSTN1 Rabbit mAb at dilution 1:50

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Calsyntenins (calsyntenin-1, -2, -3) compose a family of neuronally expressed proteins that belong to the cadherin superfamily of cell adhesion molecules (PMID: 24966372; 12498782). Calsyntenin-1 (CLSTN1) is a proteolytically processed postsynaptic membrane protein with a cytoplasmic calcium-binding domain. By binding Ca2+, calsyntenin-1 may modulate Ca2+-mediated postsynaptic signals (PMID: 11161476). Calsyntenin-1 is a transmembrane cargo-docking protein for Kinesin-1-mediated vesicular transport (PMID: 16760430). It can mediate axonal transport of the amyloid precursor protein and regulate Aβ production

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