

Anti-CDH1 Antibody (3Z525)

Product Details

Ig Type:	IgG1
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	3Z525
Purification:	Protein G purified

Applications

Verified Activity:	<ol style="list-style-type: none">Western Blot<ul style="list-style-type: none">-Positive WB detected in: Caco205 whole cell lysate-All lanes: CDH1 antibody at 1:1000-Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution-Predicted band size: 98, 91 kDa-Observed band size: 110, 120 kDaImmunofluorescence staining of Hela cells with TMAH-00244 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).Immunofluorescence staining of MCF-7 cells with TMAH-00244 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).Immunofluorescence staining of SW620 cells with TMAH-00244 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).Overlay histogram showing MCF-7 cells stained with TMAH-00244 (red line) at 1:100. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA,FCM,IF,WB

Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Cadherin-1 Protein (155-707AA)
Antigen Species:	Human
Gene ID:	999
Uniprot ID:	P12830
Synonyms:	UVO;CDHE;LCAM;E-cad;CD324;E-Cadherin;CDH1;cadherin 1, type 1, E-cadherin (epithelial); Arc-1;ECAD
Biology Area:	Signal Transduction

Research Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells. Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production. (Microbial infection) Serves as a receptor for *Listeria monocytogenes*; internalin A (InIA) binds to this protein and promotes uptake of the bacteria.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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