

E-Cadherin(CD324) Antibody

Catalog No: #21473



Package Size: #21473-1 50ul #21473-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

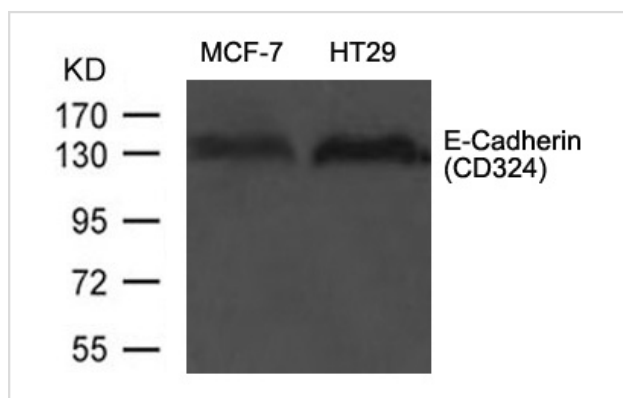
Product Name	E-Cadherin(CD324) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total E-Cadherin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.864~868(E-W-G-N-R) derived from Human E-Cadherin.
Conjugates	Unconjugated
Target Name	E-Cadherin(CD324)
Other Names	CDH1; CDHE; UVO
Accession No.	Swiss-Prot: P12830NCBI Protein: NP_004351.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 135kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from MCF-7 and HT29 cells using E-Cadherin(CD324) Antibody #21473

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 α -E/ β -7.

E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production.

Baki L.et.al(2001)Proc. Natl. Acad. Sci. U.S.A. 98:2381-2386

Makagiansar I.T.et.al(2002)J. Biol. Chem. 277:16002-16010

Agiostratidou G. (2006)J. Neurochem. 96:1182-1188

Published Papers

et al., Nicotinamide ethyl nicotinate nitrosoguanidine induces the expression of CCR2 in human gastric epithelial cells promoting CCL2-mediated migration. In Mol Med Rep On 2016 Feb by Jie Cai , Mei Wang et al..PMID:26648448 , (2016)

[PMID:26648448](#)

et al., Octamer-binding protein 4 affects the cell biology and phenotypic transition of lung cancer cells involving ϵ -Y-catenin/E-cadherin complex degradation. In Mol Med Rep

on 2015 Mar by Zhong-Shu Chen, Dong-Jin Ling et al..PMID: 25420671 , , (2015)

[PMID:25420671](#)

et al., Migration Suppression of Small Cell Lung Cancer by Polysaccharides from Nostoc commune Vaucher. In J Agric Food Chem on 2016 Aug 17 by Min Guo, Guo-Bin Ding,et al..PMID: 27465400 , , (2016)

[PMID:27465400](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.