Datasheet for ABIN457413

anti-E-cadherin antibody

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Overview

Quantity:	100 µg
Target:	E-cadherin (CDH1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-Hu CD324 Purified
Immunogen:	T-47D cells
Clone:	67A4
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody 67A4 recognizes an extracellular epitope of CD324 / E-cadherin, an approximately 100 kDa epithelial cell adhesion molecule, whose detection is important for determination of invasive potential of epithelial neoplasms.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	CD324 (CDH1 Products)
Background:	Cadherin 1,CD324 / E-cadherin is an epithelial cell surface molecule, which provides calcium-dependent homophilic interactions with E-cadherin of another cell. These intaractions take part in morphogenetic programs controlling the maintenance of the structural and functional integrity of epithelia and affect invasive potential of epithelial neoplasms. CD324 / E-cadherin is implicated in cell growth and differentiation, cell recognition, and sorting during developmental morphogenesis, as well as in aggregation-dependent cell survival. CD324 / E-cadherin-mediated cell adhesion system is highly regulated from inside the cell by a number of intracellular signaling pathways.,Cadherin-1, E-cadherin, Uvomorulin, CAM 120/80, UVO, CDHE, ECAD, LCAM, BCDS1, Arc-1
Gene ID:	999
UniProt:	P12830
Pathways:	WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation

Application Details

Application Notes:	Immunohistochemistry (frozen sections): Recommended dilution: 4-8 µg/mL, positive tissue: tonsil. Flow cytometry: Recommended dilution: 1-5 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:

Lin, Liao, Lee, Hung, Sayion, Chen, Kang, Huang, Cherng: "Molecular events associated with epithelial to mesenchymal transition of nasopharyngeal carcinoma cells in the absence of Epstein-Barr virus genome." in: **Journal of biomedical science**, Vol. 16, pp. 105, (2009) (PubMed).

Caberg, Hubert, Begon, Herfs, Roncarati, Boniver, Delvenne: "Silencing of E7 oncogene restores functional E-cadherin expression in human papillomavirus 16-transformed keratinocytes." in: **Carcinogenesis**, Vol. 29, Issue 7, pp. 1441-7, (2008) (PubMed).

Furio, Guezennec, Ducarre, Guesnet, Peguet-Navarro: "Differential effects of allergens and irritants on early differentiating monocyte-derived dendritic cells." in: **European journal of dermatology : EJD**, Vol. 18, Issue 2, pp. 141-7, (2008) (PubMed).

Robertson, Ali, McDonnell, Burt, Kirby: "Chronic renal allograft dysfunction: the role of T cell-mediated tubular epithelial to mesenchymal cell transition." in: **Journal of the American Society of Nephrology : JASN**, Vol. 15, Issue 2, pp. 390-7, (2004) (PubMed).

Kutlesa, Wessels, Speiser, Steiert, Müller, Klein: "E-cadherin-mediated interactions of thymic epithelial cells with CD103+ thymocytes lead to enhanced thymocyte cell proliferation." in: **Journal of cell science**, Vol. 115, Issue Pt 23, pp. 4505-15, (2002) (PubMed).

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