Datasheet for ABIN1724748

anti-Cadherin 5 antibody (AA 29-223)

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Overview

Quantity:	0.1 mg
Target:	Cadherin 5 (CDH5)
Binding Specificity:	AA 29-223
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cadherin 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CDH5 (AA: 29-223) expressed in E. coli.
Clone:	3D5C7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Cadherin 5 (CDH5)
Alternative Name:	CDH5 (CDH5 Products)
Background:	Description: This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of

Target Details

	heterozygosity events in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. An alternative splice variant has been described but its full length sequence has not been determined. , , Aliases: 7B4, CD144
Molecular Weight:	87.5 kDa
Gene ID:	1003
HGNC:	1003
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % 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.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

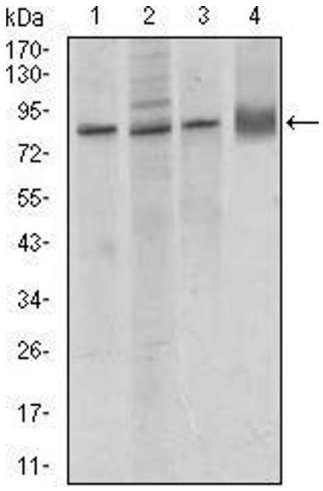
Publications

Product cited in:	Armstrong, Corazzari, Martin, Pagliarini, Falasca, Hill, Ellis, Al Sabah, Redfern, Fimia, Piacentini, Lovat: "Oncogenic B-RAF signaling in melanoma impairs the therapeutic advantage of autophagy inhibition." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 17, Issue 8, pp. 2216-26, (2011) (PubMed).

Publications

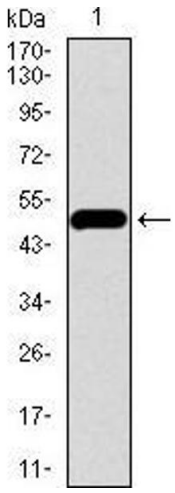
Di Bartolomeo, Corazzari, Nazio, Oliverio, Lisi, Antonioli, Pagliarini, Matteoni, Fuoco, Giunta, DAmelio, Nardacci, Romagnoli, Piacentini, Cecconi, Fimia: "The dynamic interaction of AMBRA1 with the dynein motor complex regulates mammalian autophagy." in: **The Journal of cell biology**, Vol. 191, Issue 1, pp. 155-68, (2010) (PubMed).

Images



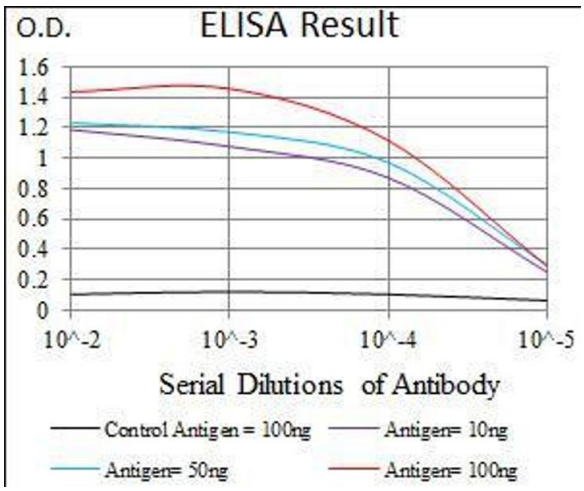
Western Blotting

Image 1. Western blot analysis using CDH5 mouse mAb against MCF-7 (1), A549 (2), HUVE-12 (3) cell lysate, and rat lung (4) tissue lysate.



Western Blotting

Image 2. Western blot analysis using CDH5 mAb against human CDH5 recombinant protein. (Expected MW is 47.6 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the product details page for more images. Overall 4 images are available for ABIN1724748.