

Datasheet for ABIN2787999

anti-E-cadherin antibody (Middle Region)



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3 Images

Overview

Quantity:	100 µL
Target:	E-cadherin (CDH1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Rabbit, Cow, Horse, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CDH1
Sequence:	FSHAVSSNGN AVEDPMEILI TVTDQNDNKP EFTQEVFKGS VMEGALPGTS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 83%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 93%, Rat: 92%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against CDH1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	CDH1 (CDH1 Products)

Target Details

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. Alias Symbols: Arc-1, CD324, CDHE, ECAD, LCAM, UVO Protein Interaction Partner: UBC, MDM2, UCHL3, CDC27, PTEN, CTNNB1, PIP5K1C, CTNND1, CBLL1, RNF2, GMNN, LMNA, KRT18, KRT9, KRT8, KRT1, IGHA1, HSPD1, HSP90AA1, HSPA9, HSPA8, HSPA5, GBAS, CTNNA1, CRYAB, CFTR, C1QBP, ACTN4, ACADVL, ANP32B, NIPSNAP1, XRCC5, TGM2, SKP2, SET, RAD17, POLR2E Protein Size: 882
Molecular Weight:	80 kDa
Gene ID:	999
NCBI Accession:	NM_004360 , NP_004351
UniProt:	P12830
Pathways:	WNT Signaling , Sensory Perception of Sound , Cell-Cell Junction Organization , Tube Formation

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 882 AA
Restrictions:	For Research Use only

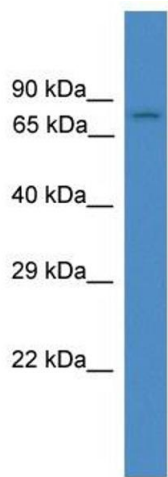
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



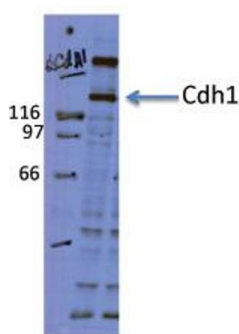
Western Blotting

Image 1. WB Suggested Anti-CDH1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Lung



CDH1 (ARP59264_P050)
Western Blot
Sample: HeLa whole cell lysate
Dilution: 1:200

Application data in forum

Submitted by:
Dr. Paul Chang
MIT

Western Blotting

Image 2. Sample Type: HeLa whole cell lysatePrimary

Dilution: 1:200



Rabbit Anti-CDH1 Antibody
Catalog Number: ARP59265
Lot Number: QC30169
Lane: Fetal Lung Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 3. WB Suggested Anti-CDH1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: Human Lung