

Datasheet for ABIN2784498
anti-E-cadherin antibody (Middle Region)



[Go to Product page](#)

5 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)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CDH1
Sequence:	QEITSYTAQE PDTFMEQKIT YRIWRDTANW LEINPDTGAI STRAELDRED
Predicted Reactivity:	Cow: 93%, Dog: 79%, Horse: 93%, Human: 100%, Mouse: 79%, Pig: 93%, Rabbit: 93%, Rat: 93%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against CDH1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	E-cadherin (CDH1)
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Target Details

Alternative Name:	CDH1 (CDH1 Products)
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. This gene is a classical cadherin from the cadherin superfamily. 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. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. 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

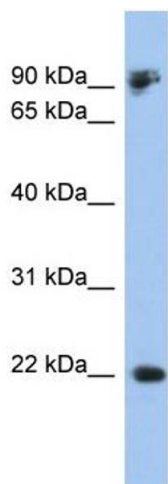
Application Details

Restrictions: For Research Use only

Handling

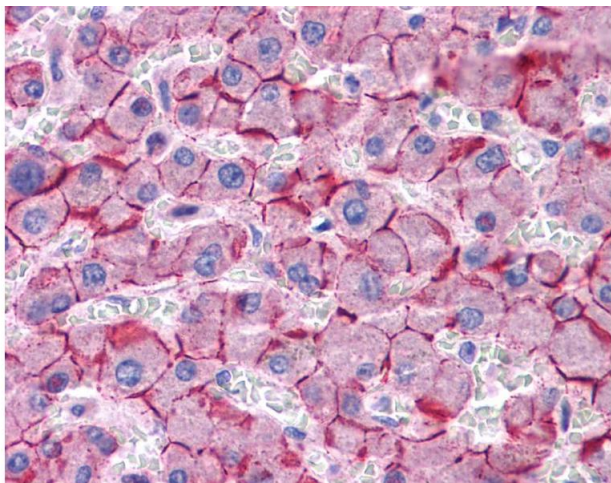
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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



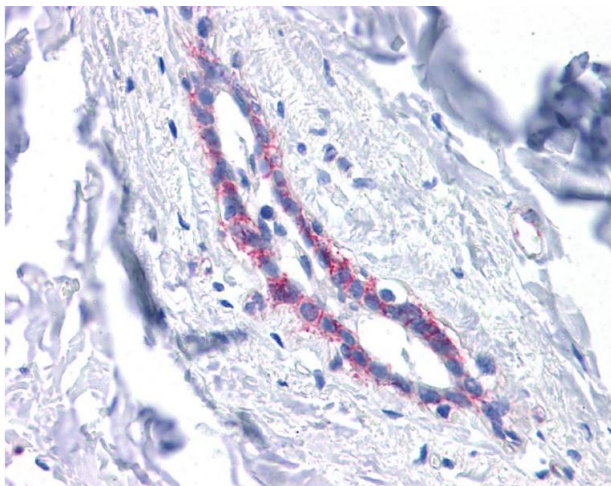
Western Blotting

Image 1. WB Suggested Anti-CDH1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate



Immunohistochemistry

Image 2.



Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2784498.