



Mouse Anti-Human E-cadherin monoclonal antibody, clone JID675 (CABT-L2886)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human E-cadherin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID675
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Breast
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	E-cadherin is an intercellular adhesion molecule present in epithelial cells. Anti-E-cadherin stains glandular epithelium, as well as lung, gastrointestinal and ovarian adenocarcinomas. A panel of antibodies against E-cadherin and p120 is also used to differentiate ductal (membranous staining) and lobular breast cancer (cytoplasmic staining). Anti-E-cadherin also stains some thyroid cancers.
Keywords	CDH1;cadherin 1, type 1, E-cadherin (epithelial);UVO;CDHE;ECAD;LCAM;Arc-1;CD324;cadherin-1;CAM 120/80;E-Cadherin;uvomorulin;cell-CAM 120/80;epithelial cadherin;cadherin 1, E-cadherin (epithelial);calcium-dependent adhesion protein, epithelial;

GENE INFORMATION

Gene Name	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens (human)]
Official Symbol	CDH1
Synonyms	CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; CDHE; ECAD; LCAM; Arc-1; CD324; cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial;
Entrez Gene ID	999
Protein Refseq	NP_004351
UniProt ID	P12830
Chromosome Location	16q22.1
Pathway	Adaptive Immune System; Adherens junction; Adherens junctions interactions; Apoptosis; Apoptotic cleavage of cell adhesion proteins; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Arf6 trafficking events;
Function	GTPase activating protein binding; ankyrin binding; beta-catenin binding; calcium ion binding; cell adhesion molecule binding; gamma-catenin binding; glycoprotein binding; protein binding; protein domain specific binding; protein phosphatase binding;