

## E-Cadherin (AB1402) mouse mAb

W0339

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- 97 kDa (calculated)
- 120 kDa (observed)

#### Isotype

- IgG2b, kappa

### Recommended Dilution Ratios

#### Application

IHC; WB; IF; ELISA

#### Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Storage

#### Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

|               |                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------|
| Clonality     | Monoclonal                                                                                              |
| Clone Number  | AB1402                                                                                                  |
| Immunogen     | A synthetic peptide corresponding to the amino acid region 700 - 800 of the human E - Cadherin protein. |
| Specificity   | The antibody can specifically recognize E-cadherin protein.                                             |
| Purification  | Affinity purification Protein A                                                                         |
| Concentration | Product concentration may vary by batch. Please refer to the product COA for details.                   |

### Target Information

|               |            |             |         |
|---------------|------------|-------------|---------|
| Gene name     | CDH1       |             |         |
| Protein Name  | E-Cadherin |             |         |
| Database Link | Organism   | Swiss Prot. | Gene ID |
|               | Human      | P12830      | 999     |

#### Background

E-Cadherin, 120kDa, is a critical regulator of epithelial junction formation. The E-cadherin internal domain binds with alpha, beta, gamma, and p120 catenins to anchor the ECAD complex to the actin cytoskeleton of the cell. E-cadherin is expressed in virtually all epithelial cells with the exception of adrenocortical cells. The expression in liver cells is weaker than in most other epithelia. ECAD is also expressed in melanocytes (adhering to squamous epithelial cells) . Mesothelial cells and granulosa cells are ECAD negative. Mesenchymal cells and neural crest cells are mostly negative but some types may show a weak reaction. Testicular germinative cells are weakly positive. At present, it is commonly used to differentiate breast lobular cancer from ductal cancer (the former is often negative, the latter is often positive) .



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