

Cadherin-E / E-Cadherin Ab-3 (Clone 36B5)

Mouse Monoclonal Antibody

Cat. #MS-1479-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)**Cat. #MS-1479-R7 (7.0ml)** (Ready-to-Use for Immunohistochemistry)**Cat. #MS-1479-PCS (5 Slides)** (Positive Control for Histology)**Please note this data sheet has been changed effective December 12, 2011**

Description: E-cadherin (uvomorulin, cell-CAM120/80) is a calcium dependent cell adhesion molecule expressed predominately in epithelial tissues. It plays an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Numerous studies have demonstrated that reduction and/or loss of E-cadherin expression in carcinomas correlates positively with the potential of these tumors for invasion and metastasis.

Comments: Ab-3 may prove useful in studies of primary tumors and metastatic lesions.

Mol. Wt. of Antigen: 120kDa

Epitope: N-terminal

Species Reactivity: Human. Others not-known.

Clone Designation: 36B5

Ig Isotype: IgG₁

Immunogen: Recombinant protein encoding the N-terminal region of E-cadherin molecule.

Applications and Suggested Dilutions:

- Western Blotting (Not suitable)
- Immunohistology (Formalin/paraffin only)
(Use Ab at 1:20 to 1:40 for 90 min at RT)
- * [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Breast ca, squamous epithelium.

Cellular Localization: Cell membrane.

Supplied As:

Tissue culture supernatant with 0.09% sodium azide, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Suggested References:

1. Bukolm I K, et al. J Path. 190:15-19(2000).
2. Iyas M. J Path. 190: 3-5(2000).
3. Bankfalvi A, et al. Histopathology. 34: 25-34(1999).

Limitations and Warranty:

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Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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