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10-11542: Mouse Monoclonal Antibody to E-Cadherin(Clone : DBM15.49)(Discontinued)

Clonality: Monoclonal Clone Name: DBM15.49

Application: IHC

Reactivity: Human

Gene: CDH1

Gene ID: 999

Uniprot ID: P12830

Format: Purified

Isotype: Mouse IgG, kappa

Immunogen Information: Recombinant human E-Cadherin protein.

Description

This antibody recognizes a protein of 120-80kDa, identified as E-cadherin. Cadherins comprise a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH2 terminal repeats. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as β -catenin, to regulate cadherin function. E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer. In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin +) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.

Product Info

Amount: 0.5 m

Content:

This product is supplied as a purified immunoglobulin and contains sodium azide as a

preservative.

Storage condition : Store at 2-8°C.

Application Note

IHC: 1:50-1:100

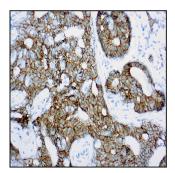


Figure 1: FFPE Human Breast Carcinoma Stained With E-Cadherin