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## 10-7546: Monoclonal Antibody to E-cadherin (Clone: ABM43F8)

Clonality: Monoclonal ABM43F8 Clone Name: Application: IHC.WB Reactivity: Human Gene: CDH1 Gene ID: 999 **Uniprot ID:** P12830 Format: Purified

Alternative Name : CDH1,CDHE,UVO Isotype : Mouse IgG1 Kappa

Immunogen Information: A partial length recombinant E-cadherin protein (amino acids 438-556) was used as the

immunogen for this antibody.

## **Description**

Epithelial cadherin (E-cadherin) is a calcium dependent cell-cell adhesion glycoprotein. It is associated with gland formation, stratification, and epithelial polarization. Its deregulation affects cell-cell adhesion and results in increased invasiveness of distinct human carcinomas like gastric cancer, malignancy, oral squamous cell carcinoma, Atypical parathyroid adenoma (APA). Loss of function of E-cadherin leads to the disappearance of epithelial characteristics of the cells and generates higher invasiveness for extracellular matrices. E-cadherin expression is considered to be a decisive indicator for differentiation, aggressive behaviour, high proliferation, metastasis, poor prognosis and invasiveness of human carcinoma cells.

## **Product Info**

**Amount :** 25 μg / 100 μg

Purification: Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 4-6 µg/ml, Immunohistochemical analysis: 5-15 µg/ml



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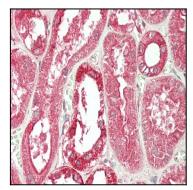


Fig-1: Immunohistochemical analysis of E-cadherin in human Kidney tissue using E-cadherin antibody (Clone: ABM43F8) at 15  $\mu$ g/ml.

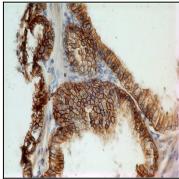


Fig-2: Immunohistochemical analysis of E-cadherin in human colon adenocarcinoma tissue using E-cadherin antibody (Clone: ABM43F8) at 5 μg/ml.

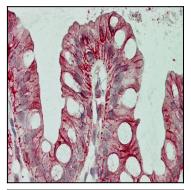


Fig-3: Immunohistochemical analysis of E-cadherin in human colon tissue using E-cadherin antibody (Clone: ABM43F8) at 15 µg/ml.

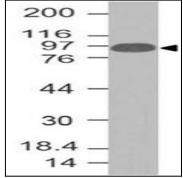


Fig-4 : Western blot analysis of E-cadherin. Anti- E-cadherin antibody (Clone: ABM43F8) was tested at 4  $\mu$ g/ml on human Intestine lysate.