

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

Clonality :	Monoclonal
Clone Name :	ABM43F8
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 : Purification :	25 µg / 100 µg 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 :	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

# **w** abeomics

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

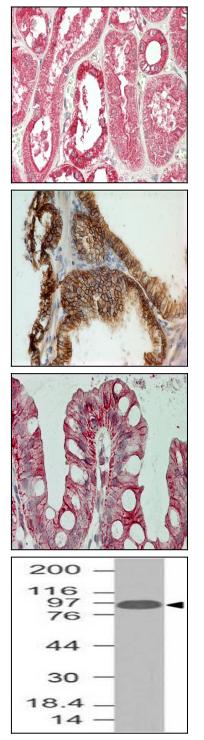


Fig-1: Immunohistochemical analysis of E-cadherin in human Kidney tissue using E-cadherin antibody (Clone: ABM43F8) at 15  $\mu$ g/ml.

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

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

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.