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

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

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 : $25 \mu g / 100 \mu g$

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 : 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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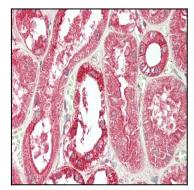


Fig-1: Immunohistochemical analysis of E-cadherin in human Kidney tissue using E-cadherin antibody (Clone: ABM43F8) at $15 \mu g/ml$.



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

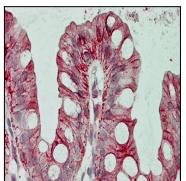


Fig-3 : Immunohistochemical analysis of E-cadherin in human colon tissue using E-cadherin antibody (Clone: ABM43F8) at $15~\mu g/ml$.

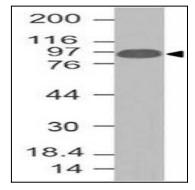


Fig-4 : Western blot analysis of E-cadherin. Anti- E-cadherin antibody (Clone: ABM43F8) was tested at 4 μ g/ml on human Intestine lysate.