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Bhubaneswar, Odisha - 751024, INDIA

36-1405: Monoclonal Antibody to Ep-CAM / CD326 (Epithelial Marker)(Clone : MOC-31)

Clonality: Monoclonal MOC-31 Clone Name: Application: IHC Reactivity: Human Gene: **EPCAM** Gene ID: 4072 **Uniprot ID:** P16422 Format: Purified

Alternative Name: EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1

Isotype: Mouse IgG1, kappa

Immunogen Information: Neuraminidase treated GLS-1 human small cell lung carcinoma cells

Description

Binding epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59 of Ep-CAM.?EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.

Product Info

Amount: 100 μg

Purification : Affinity Chromatography

Content: 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

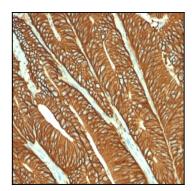
Storage condition:

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

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),

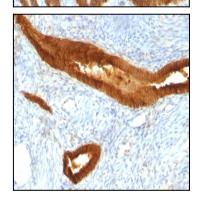


Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Ep-CAM Monoclonal Antibody (MOC-31).



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Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Ep-CAM Monoclonal Antibody (MOC-31).



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Ep-CAM Monoclonal Antibody (MOC-31).