

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-1451: Monoclonal Antibody to MUC1 / EMA / CD227 (Epithelial Marker)(GP1.4 + E29)

Clonality: Monoclonal
Clone Name: GP1.4 + E29

Application: IHC

Reactivity: Human

Gene: MUC1

Gene ID: 4582

Uniprot ID: P15941

Format: Purified

Alternative Name: MUC1,PUM

Isotype: Mouse IgG1, kappa + Mouse IgG2a, lambda

Immunogen Information: Human milk fat globule membranes (GP1.4); Delipidated extract of human milk fat globule

membranes (E29)

Description

In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. EMA may provide a protective layer on epithelial cells against bacterial and enzyme attack. The beta subunit contains a C-terminal domain, which is involved in cell signaling, through phosphorylations and protein-protein interactions. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

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

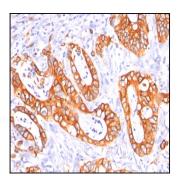
toxic.

Storage condition : 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 min 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 MUC-1 / EMA Monoclonal Antibody (GP1.4 + E29).