

36-1446: Monoclonal Antibody to MUC1 / EMA / CD227 (Epithelial Marker)(Clone : MUC1/520)

| Clonality : | Monoclonal |
|-----------------------|--|
| Clone Name : | MUC1/520 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | MUC1 |
| Gene ID : | 4582 |
| Uniprot ID : | P15941 |
| Format : | Purified |
| Alternative Name : | MUC1,PUM |
| Isotype : | Mouse IgG2a, lambda |
| Immunogen Information | : Human milk-fat globule membranes (HMFGM) |

Description

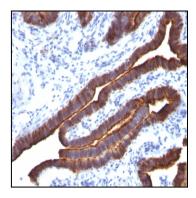
In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA. EMA may provide a protective layer on epithelial cells against bacterial and enzyme attack. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinomas. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Product Info

| Amount : Purification : | 100 μg 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

Immunohistology (Formalin-fixed) (0.5-1.0ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).





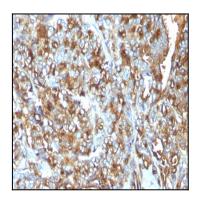
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).

Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).





Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / EMA Monoclonal Antibody (MUC1/520).