

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

Email: info@abeomics.com

36-1406: Monoclonal Antibody to Ep-CAM / CD326 (Epithelial Marker)(Clone: SPM528)

Clonality: Monoclonal Clone Name: SPM528

Application: FACS,IF,WB,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. 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: $100 \mu g$

Purification: Affinity Chromatography

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

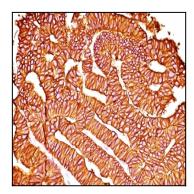
toxic.

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

Flow Cytometry (5-10ul/million cells); Immunofluorescence (1:50-1:100); Western Blot (1:100-1:200); Immunohistochemistry (Formalin-fixed) (1:100-1:200 for 30 min at RT)(Staining of formalin/paraffin tissues REQUIRES digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 15 min at RT or 10 min at 37C)



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Ep-CAM Ab (SPM528).