

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

Email: info@abeomics.com

36-1346: Monoclonal Antibody to Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker)(Clone: K72.7)

Clonality: Monoclonal K72.7

Application : FACS,IF,WB,IHC

Reactivity: Human
Gene: KRT7
Gene ID: 3855
Uniprot ID: P08729
Format: Purified
Alternative Name: KRT7.SCL

Isotype: Mouse IgG1, kappa

Immunogen Information : Semi-purified cytokeRatin prepaRation.

Description

It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This MAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This MAb is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

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

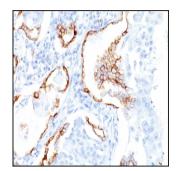
toxic.

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 (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);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 Lung SCC stained with Cytokeratin 7 Monoclonal Antibody (K72.7)



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Formalin-fixed, paraffin-embedded Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (K72.7)