9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-1344: Monoclonal Antibody to Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker)(Clone : OV-TL12/30

Clonality :	Monoclonal
Clone Name :	OV-TL12/30
Application :	WB,FACS,IF,IHC
Reactivity :	Human
Gene :	KRT7
Gene ID :	3855
Uniprot ID :	P08729
Format :	Purified
Alternative Name :	KRT7,SCL
Isotype :	Mouse IgG1, kappa
Immunogen Information :	OTN 11, ovarian carcinoma cell line

Description

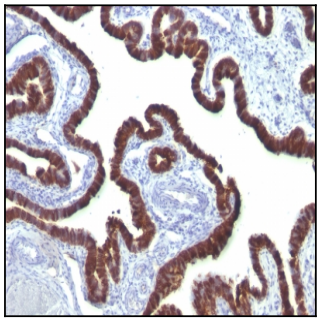
It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This MAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the 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 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

Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); 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&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (OV-TL12/30)

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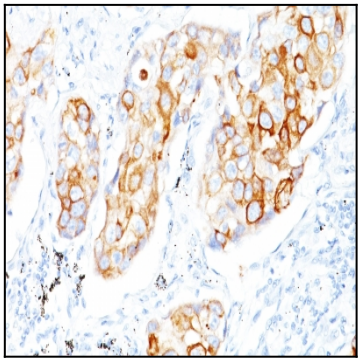

Formalin-fixed, paraffin-embedded human Lung SCC stained with Cytokeratin 7 Monoclonal Antibody (OV-TL12/30)

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