

36-2656: Anti-Cytokeratin 7 (Glandular and Transitional Epithelial Marker) Monoclonal Antibody(Clone: KRT7/2200)

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| Clonality : | Monoclonal |
| Clone Name : | KRT7/2200 |
| Application : | WB,IHC |
| Reactivity : | Human |
| Gene : | KRT7 |
| Gene ID : | 3855 |
| Uniprot ID : | P08729 |
| Alternative Name : | CK-7, K2C7, Keratin 55K Type II Cytoskeletal, Keratin Simple Epithelial Type 1 K7, Keratin Type II Cytoskeletal 7, Krt2-7, KRT7, Sarcolectin, SCL, Type II Mesothelial Keratin K7, Type-II Keratin Kb7 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length human KRT7 protein |

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. MAb to cytokeratin 7 is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

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);

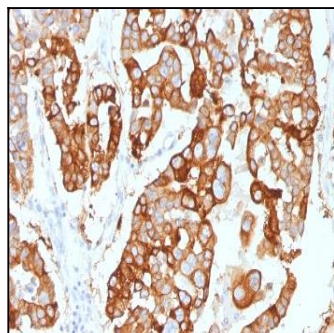


Fig. 1: Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200).

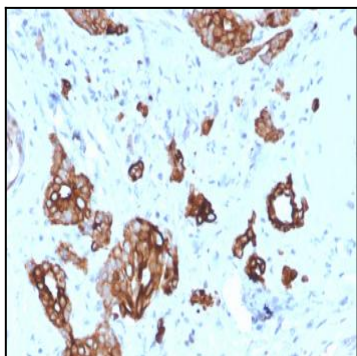


Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200).

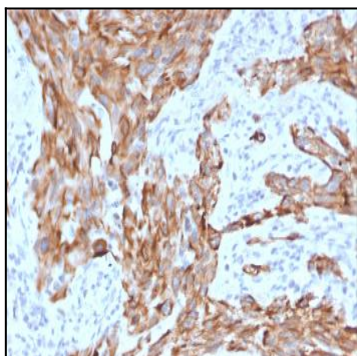


Fig. 3: Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200).

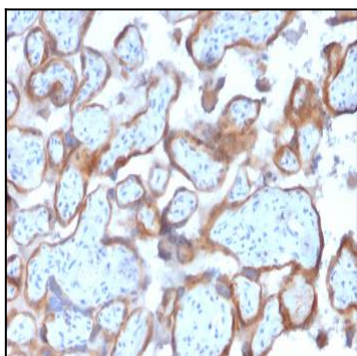


Fig. 4: Formalin-fixed, paraffin-embedded human Placenta stained with Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200).

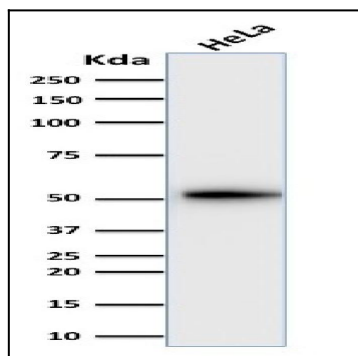


Fig. 5: Western Blot Analysis of human HeLa cell lysate using Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200).

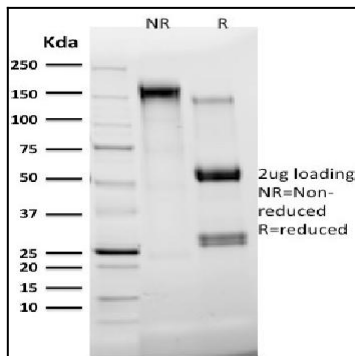


Fig. 6: SDS-PAGE Analysis Purified Cytokeratin-7 Mouse Monoclonal Antibody (KRT7/2200). Confirmation of Integrity and Purity of Antibody.