

12-1166: Anti-Cytokeratin, Multi (Epithelial Marker) Recombinant Mouse Monoclonal Antibody (Clone:rKRT/457)

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| Clonality : | Monoclonal |
| Clone Name : | rKRT/457 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | Not Known |
| Gene ID : | 3851 (CK4); 3852 (CK5); 3853 (CK6A); 3854 (CK6B); 286887 (CK6C); 3856 (CK8); 3858 (CK10); 3860 (CK13); 3875 (CK18) |
| Uniprot ID : | P02538 (CK6A); P04259 (CK6B); P13647 (CK5); P19013 (CK4); P48668 (CK6C) |
| Format : | Purified |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Keratin-enriched preparation from cultured human epithelial cells |

Description

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI<5.7) and basic (pI>6.0) subfamilies. This antibody recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, including 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13) and 45kDa (CK18). This is a broad-spectrum antibody, which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

Product Info

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| Amount : | 20 µg / 100 µg |
| Purification : | Protein A/G |
| Content : | 200µg/ml of recombinant MAb purified 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

Immunohistochemistry (Formalin-fixed) (1-2µg/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)

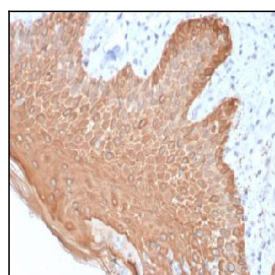


Figure 1: Formalin-fixed, paraffin-embedded human Skin stained with Multi-Cytokeratin Mouse Recombinant Monoclonal Antibody (rKRT/457).

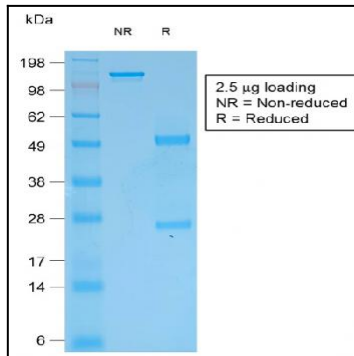


Figure 2: SDS-PAGE Analysis Purified Multi-Cytokeratin Mouse Recombinant Monoclonal Antibody (rKRT/457).