

36-2651: Anti-Cytokeratin 5 (KRT5) (Basal, Myoepithelial & Mesothelial Cell Marker) Monoclonal Antibody(Clone: KRT5/3594)

Clonality :	Monoclonal
Clone Name :	KRT5/3594
Application :	IHC
Reactivity :	Human
Gene :	KRT5
Gene ID :	3852
Uniprot ID :	P13647
Alternative Name :	58kDa Cytokeratin; DDD1; Epidermolysis Bullosa Simplex 2 (EBS2); Keratin 5; Keratin, Type II Cytoskeletal 5; Keratin-5; Type-II Cytoskeletal 5; Type-II keratin Kb5
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment (around aa 316-590) of human Cytokeratin 5 (KRT5) protein (exact sequence is proprietary)

Description

This MAb recognizes a protein of 58kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, myoepithelia, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.

Product Info

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

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),

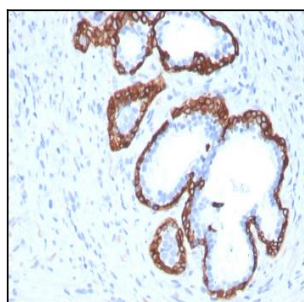


Fig. 1: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).

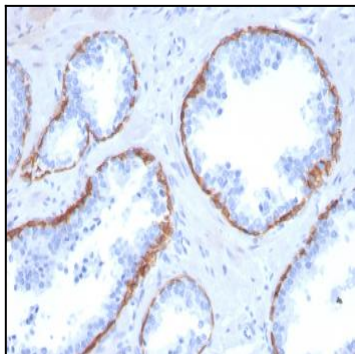


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).

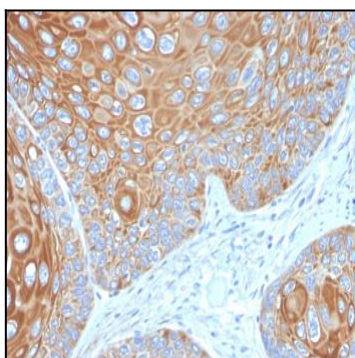


Fig. 3: Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).

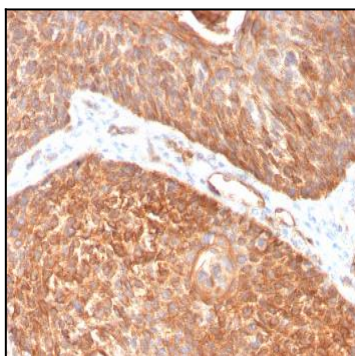


Fig. 4: Formalin-fixed, paraffin-embedded human Pancreas stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).

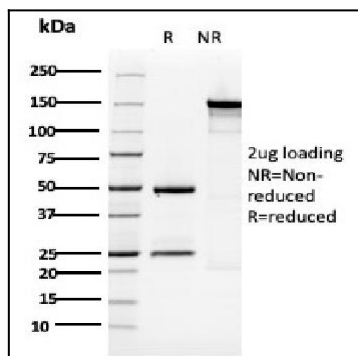


Fig. 5: SDS-PAGE Analysis Purified Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594). Confirmation of Purity and Integrity of Antibody