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36-2685: Anti-Cytokeratin 16 (KRT16) (Suprabasal Keratinocyte Marker) Monoclonal Antibody(Clone: rKRT16/1714)

Clonality :	Monoclonal
Clone Name :	rKRT16/1714
Application :	IHC
Reactivity :	Human
Gene :	KRT16
Gene ID :	3868
Uniprot ID :	P08779
Alternative Name :	CK16; Cytokeratin-16; Focal non epidermolytic palmoplantar keratoderma (FNEPPK / NEPPK); K1CP; Keratin Type I Cytoskeletal 16; Keratin-16; KRT16A
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment from the C-terminal of human Cytokeratin 16

Description

Cytokeratins are a family of intermediate filament proteins that assemble into filaments throÂµgh forming heterodimers of one type I Cytokeratins (Cytokeratins 9 to 23) and one type II Cytokeratins (keratins 1 to 8). The cytokeratin proteins play a critical role in differentiation, as well as tissue specialization and function, to maintain the overall structural integrity of epithelial cells. Cytokeratins are also useful markers in identifying the origin of metastatic tumors. Cytokeratin 16 is expressed in benign stratified squamous epithelium and squamous cell carcinoma of the head and neck, as well as luminal cells of mammary gland and sweat ducts. It is absent in non-invasive breast carcinomas and normal breast tissue.

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) (1-2ug/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&degC followed by cooling at RT for 20 minutes);

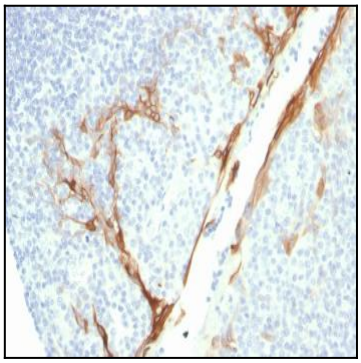

Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CK16 Mouse Recombinant Monoclonal Antibody (rKRT16/1714).

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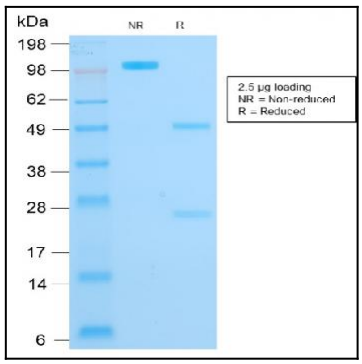

Fig. 2: SDS-PAGE Analysis Purified CK16 Mouse Recombinant Monoclonal Antibody (rKRT16/1714). Confirmation of Integrity and Purity of Antibody.