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## 36-2684: Anti-Cytokeratin 16 (KRT16) (Suprabasal Keratinocyte Marker) Monoclonal Antibody(Clone: SPM264)

Clone Name: Monoclonal SPM264

**Application:** FACS,IF,WB,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 throµgh 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 :**  $20 \mu g / 100 \mu g$ 

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**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Frozen & 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);

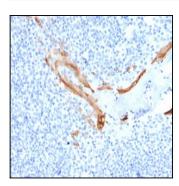


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 16 Mouse Monoclonal Antibody (SPM264).