

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-2672: Anti-Cytokeratin 13 (Non-Keratinized Squamous Epithelial Marker) Monoclonal Antibody(Clone: KRT13/2213)

Clonality: Monoclonal
Clone Name: KRT13/2213
Application: IF,FACS,IHC
Reactivity: Human
Gene: KRT13
Gene ID: 3860
Uniprot ID: P13646

Alternative Name: CK13; Cytokeratin-13; Keratin Type I Cytoskeletal 13; Keratin-13; KRT13; Type I Cytoskeletal

13; WSN2

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human KRT13 protein

## **Description**

Cytokeratin 13 (KRT13) is the major acidic keratin, which together with KRT4, its basic partner, is expressed in the suprabasal layers of non-cornified stratified epithelia including tongue mucosa, esophagus, anal canal epithelium, tracheal epithelium, uterine cervix, and urothelium. Defects in the KRT13 gene are a cause of white sponge nevus of cannon (WSN), a rare autosomal dominant disorder, which predominantly affects non-cornified stratified squamous epithelia and is characterized by the presence of soft, white and spongy plaques in the oral mucosa. KRT13 has been used as a marker for non-keratinized squamous epithelium. It is also expressed in various squamous metaplasia, but it is down regulated in squamous dysplasia and squamous carcinoma.

## **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**

Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug per million cells); Immunohistochemistry (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);

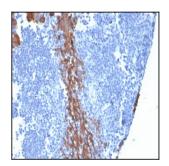


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

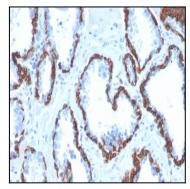


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).

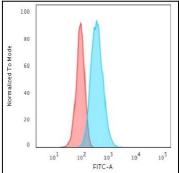


Fig. 3: Flow Cytometric Analysis of HeLa cells using Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

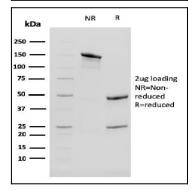


Fig. 4: SDS-PAGE Analysis of Purified Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213). Confirmation of Purity and Integrity of Antibody.