

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

Email: info@abeomics.com

## 36-3807: Anti-Cytokeratin, Multi (Epithelial Marker) Monoclonal Antibody(Clone: KRT/1877R)

Clone Name: Monoclonal
Clone Name: KRT/1877R
Application: FACS,IF,WB,IHC
Reactivity: Human, Rat, Mouse

**Gene ID:** 3851; 3852; 3853; 3854; 286887; 3856; 3858; 3860; 3875

**Uniprot ID:** P02538; P04259; P13647; P19013; P48668

**Isotype:** Rabbit IgG

Immunogen Information: Keratin-enriched preparation from cultured human epithelial cells

## **Description**

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 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**

**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 (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);

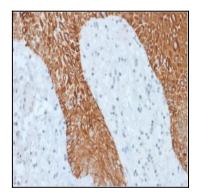


Fig. 1: Formalin-fixed, paraffin-embedded human Skin stained with Multi-Cytokeratin Recombinant Rabbit Monoclonal Antibody (KRT/1877R).



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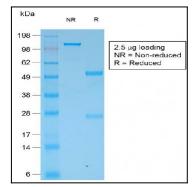


Fig. 2: SDS-PAGE Analysis Purified Multi-Cytokeratin Rabbit Monoclonal Antibody (KRT/1877R). Confirmation of Integrity and Purity of Antibody.

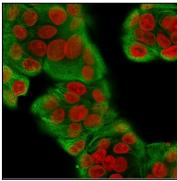


Fig. 3: Immunofluorescence Analysis of MeOH-fixed Human MCF-7 cells labeling CK with Multi-Cytokeratin Recombinant Rabbit Monoclonal Antibody (KRT/1877R)followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).