

Datasheet for ABIN6939905
anti-Cytokeratin 13 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	Cytokeratin 13 (KRT13)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 13 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human KRT13 protein
Clone:	KRT13-2213
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	Cytokeratin 13 (KRT13)
Alternative Name:	KRT13 (KRT13 Products)
Background:	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

Target Details

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.

Molecular Weight: 52kDa

Gene ID: 3860

UniProt: [P13646](#)

Application Details

Application Notes: Positive Control: HeLa or A431 cells. Skin or Squamous cell carcinoma.
Known Application: Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

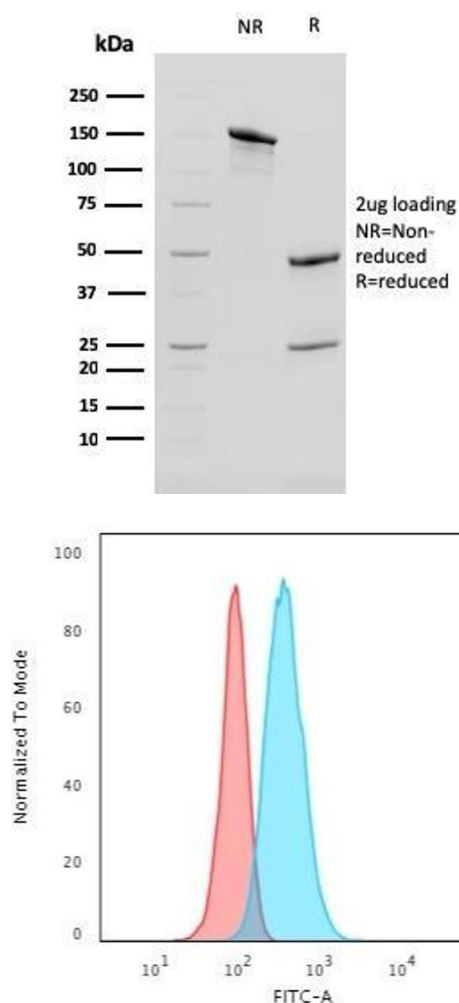
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: 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. No MSDS required.

Expiry Date: 24 months

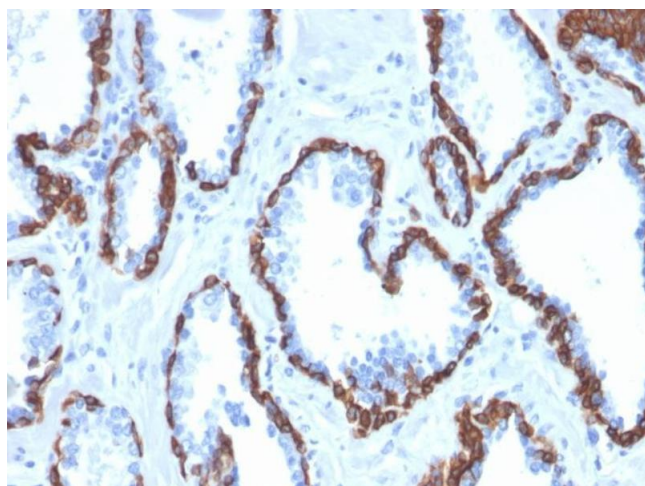


SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213). Confirmation of Purity and Integrity of Antibody.

Flow Cytometry

Image 2. 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).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939905.