

Datasheet for ABIN6939897
anti-Keratin 10 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	Keratin 10 (KRT10)
Reactivity:	Human, Dog, Cat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 10 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Cytoskeletal preparation extracted from human ectocervical epithelium
Clone:	SPM623
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes a protein of 56.5 kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation, it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: Keratin 10 (KRT10)

Alternative Name: KRT10 ([KRT10 Products](#))

Molecular Weight: 56.5kDa

Gene ID: 3858

UniProt: [P13645](#)

Application Details

Application Notes: Positive Control: A431, HeLa, MCF7 cells. Esophagus or tonsil.
Known Application: Flow Cytometry (0.5-1 µg/million cells in 0.1ml), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.1-0.2 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.

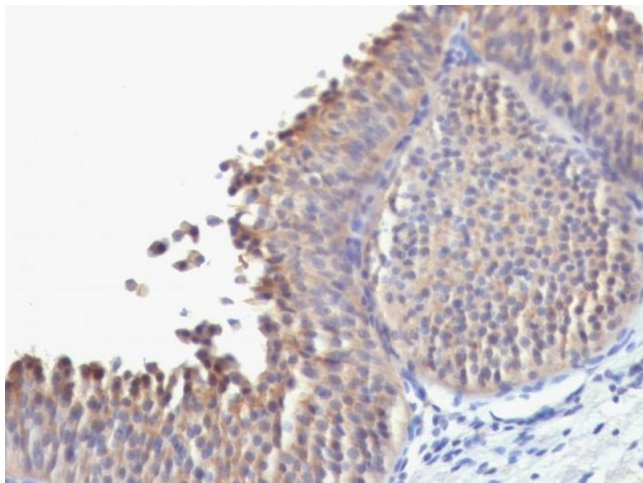
Preservative: Sodium azide

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



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 10 Monoclonal Antibody (SPM623).