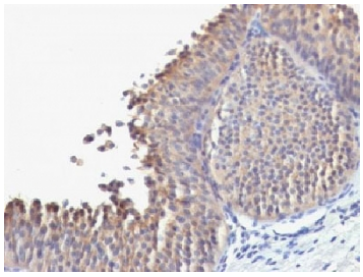
Cytokeratin 10 Antibody [clone SPM623] (V3310)

Catalog No.	Formulation	Size
V3310-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3310-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3310SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM623
Purity	Protein G affinity chromatography
UniProt	P13645
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT
Limitations	This Cytokeratin 10 antibody is available for research use only.



IHC testing of FFPE human bladder carcinoma with Cytokeratin 10 antibody (clone SPM623). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

This mAb recognizes a protein of 56.5kDa, 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.

Application Notes

Optimal dilution of the Cytokeratin 10 antibody should be determined by the researcher.

Immunogen

A cytoskeletal preparation extracted from human ectocervical epithelium was used as the immunogen for the Cytokeratin 10 antibody.

Storage

Store the Cytokeratin 10 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).