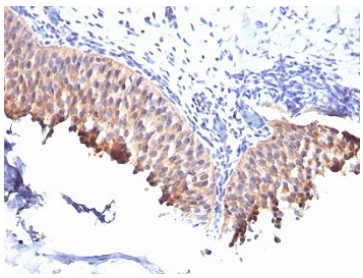
Cytokeratin 10 Antibody [clone SPM261] (V9057)

Catalog No.	Formulation	Size
V9057-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9057-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9057SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9057IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM261
Purity	Protein G affinity chromatography
UniProt	P13645
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 10 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Cytokeratin 10 antibody (SPM261).

Description

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.

Explore our Cytokeratin 10 Antibody KRT10/7804R, supported by Western blot and human skin immunohistochemistry data, for investigating epidermal differentiation and KRT10 expression.

Application Notes

The optimal dilution of the Cytokeratin 10 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Skin extract of a human Psoriasis patient were used as the immunogen for this Cytokeratin 10 antibody.

Storage

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

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