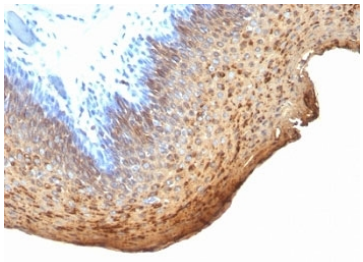
Cytokeratin 10/13 Antibody [clone DE-K13] (V3053)

Catalog No.	Formulation	Size
V3053-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3053-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3053SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3053IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

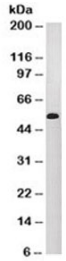
Citations (11)

Bulk quote request

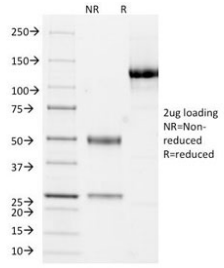
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	DE-K13
Purity	Protein G affinity chromatography
UniProt	P13645, P13646
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 10/13 antibody is available for research use only.



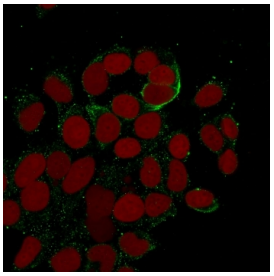
IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with Cytokeratin 10/13 antibody (clone DE-K13).



Western blot testing of A431 cell lysate and Cytokeratin 10/13 antibody (clone DE-K13).



SDS-PAGE Analysis of Purified, BSA-Free Cytokeratin 10/13 Antibody (clone DE-K13). Confirmation of Integrity and Purity of the Antibody.



Immunofluorescent staining of MeOH-fixed human MCF7 cells with Cytokeratin 10/13 antibody (clone DE-K13, green) and Reddot nuclear stain (red).

Description

This antibody recognizes cytokeratin 10 (56.5kDa) and cytokeratin 13 (53kDa) in Western blotting. It recognizes only cytokeratin 13 in formalin-fixed, paraffin-embedded tissue sections. It does not react with cytokeratin 10 positive, cytokeratin 13 negative epithelia such as epidermis. However, on tissue sections this mAb serves as differentiation-related marker of all stratified epithelia; it stains all suprabasal cells in both cornifying and non-cornifying stratified epithelia and more differentiated cells of squamous carcinomas.

Application Notes

Optimal dilution of the Cytokeratin 10/13 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
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

A cytoskeletal preparation extracted from human ectocervical epithelium was used as the immunogen for the Cytokeratin 10/13 antibody.

Storage

Store the Cytokeratin 10/13 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).