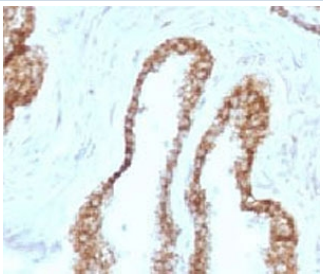
CK5 Antibody CTKN5-1 / KRT5 / Cytokeratin 5 [clone CTKN5-1] (V7589)

Catalog No.	Formulation	Size
V7589-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7589-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7589SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7589IHC-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

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTKN5-1
Purity	Protein G affinity chromatography
UniProt	P13647
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This CK5 Antibody CTKN5-1 is available for research use only.



IHC staining of FFPE human prostate carcinoma with CK5 Antibody CTKN5-1. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

The protein encoded by the KRT5 gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [RefSeq]

Explore our protein microarray-validated Cytokeratin 5 Antibody KRT5/3594 for investigating basal epithelial differentiation, squamous cell carcinomas, and keratin filament organization.

Application Notes

Optimal dilution of the CK5 Antibody CTKN5-1 should be determined by the researcher.
1. 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 recombinant human Cytokeratin 5 protein fragment within amino acids 316-590 was used as the immunogen for the CK5 antibody.

Storage

Store the CK5 Antibody CTKN5-1 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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