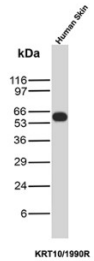
Recombinant Cytokeratin 10 Antibody KRT10/1990R / Rabbit Monoclonal CK10 Antibody [clone KRT10/1990R] (V3633)

Catalog No.	Formulation	Size
V3633-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3633-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3633SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3633IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

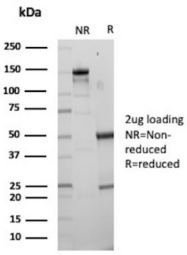
Recombinant RABBIT MONOCLONAL

Bulk quote request

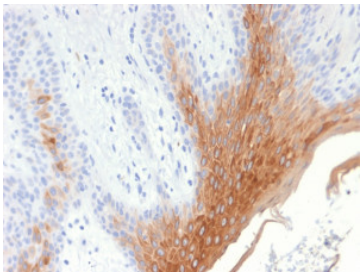
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	KRT10/1990R
Purity	Protein A affinity chromatography
UniProt	P13645
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This Recombinant Cytokeratin 10 Antibody KRT10/1990R is available for research use only.



Recombinant Cytokeratin 10 Antibody KRT10/1990R in WB. Western blot analysis of human skin tissue lysate using Cytokeratin 10 Antibody (clone KRT10/1990R).



SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 10 antibody (clone KRT10/1990R) as confirmation of integrity and purity.



Recombinant Cytokeratin 10 Antibody KRT10/1990R Immunohistochemistry Analysis. IHC testing of FFPE human skin with recombinant Cytokeratin 10 antibody (clone KRT10/1990R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

Recombinant Cytokeratin 10 Antibody KRT10/1990R 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.

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

Optimal dilution of the Recombinant Cytokeratin 10 Antibody KRT10/1990R 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

Skin extract from a Psoriasis patient was used as the immunogen for the Recombinant Cytokeratin 10 Antibody KRT10/1990R.

Storage

Store the Recombinant Cytokeratin 10 Antibody KRT10/1990R at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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