

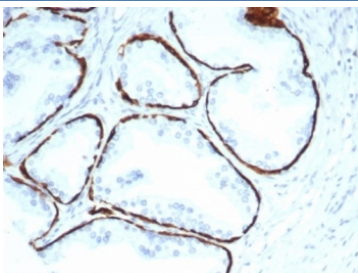
Cytokeratin 14 Antibody [clone KRT14/7054R] (V4487)

Catalog No.	Formulation	Size
V4487-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4487-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4487SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

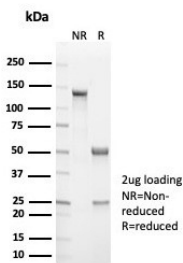
Recombinant **RABBIT MONOCLONAL**

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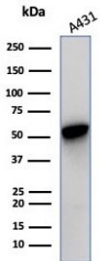
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	KRT14/7054R
Purity	Protein A/G affinity
UniProt	P02533
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant Cytokeratin 14 antibody is available for research use only.



IHC staining of FFPE human prostate tissue with recombinant Cytokeratin 14 antibody (clone KRT14/7054R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 14 antibody (clone KRT14/7054R) as confirmation of integrity and purity.



Western blot testing of human A431 cell lysate with recombinant Cytokeratin 14 antibody (clone KRT14/7054R). Predicted molecular weight ~53 kDa.

Description

Cytokeratin 14 antibody detect KRT14 protein, a member of the type I keratin family of intermediate filament proteins. It always pairs with the type II keratin K5 and form the primary keratin pair of the keratinocytes of stratified squamous epithelia, including the epidermis as well as mucosal non-keratinizing stratified squamous epithelia. Cytokeratin 14 is strongly expressed in the undifferentiated basal cell layer containing the stem cells and are down-regulated in the differentiating suprabasal cell layers.

Application Notes

Optimal dilution of the recombinant Cytokeratin 14 antibody should be determined by the researcher.

Immunogen

A recombinant human KRT14 fragment (within amino acids 350-472) was used as the immunogen for the recombinant Cytokeratin 14 antibody.

Storage

Aliquot the recombinant Cytokeratin 14 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.