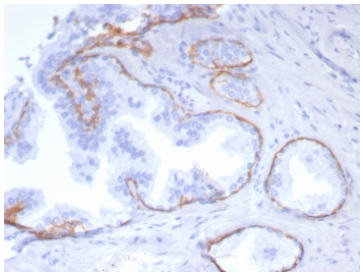
Recombinant KRT5 Antibody rKRT5/6969 / Cytokeratin 5 Monoclonal [clone rKRT5/6969] (V4279)

Catalog No.	Formulation	Size
V4279-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4279-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4279SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

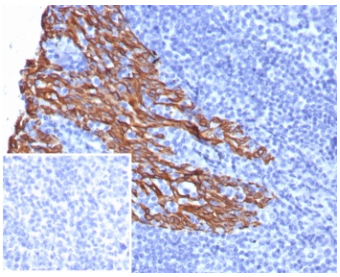
Recombinant | MOUSE MONOCLONAL

Bulk quote request

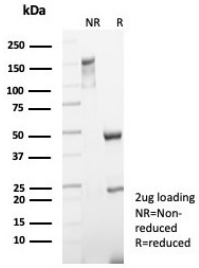
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rKRT5/6969
Purity	Protein A/G affinity
UniProt	P13647
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT Western blot: 2-4ug/ml
Limitations	This Recombinant KRT5 Antibody rKRT5/6969 is available for research use only.



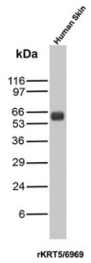
IHC staining of FFPE human prostate tissue with Recombinant KRT5 Antibody rKRT5/6969. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with Recombinant KRT5 Antibody rKRT5/6969. Inset: PBS used in place of primary Ab (secondary Ab negative control). 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 KRT5 antibody (clone rKRT5/6969) as confirmation of integrity and purity.



Western blot analysis of human skin tissue lysate using Recombinant KRT5 Antibody rKRT5/6969.

Description

Recombinant KRT5 Antibody rKRT5/6969 recognizes a protein of 58kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, yoepithelial, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.

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 Recombinant KRT5 Antibody rKRT5/6969 should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 390-590) from the human protein was used as the immunogen for the Recombinant KRT5 Antibody rKRT5/6969.

Storage

Aliquot the Recombinant KRT5 Antibody rKRT5/6969 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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