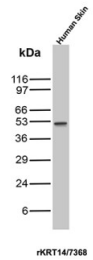
# Recombinant KRT14 Antibody rKRT14/7368 / Keratin 14 / Cytokeratin 14 [clone rKRT14/7368] (V4478)

| Catalog No. | Formulation | Size |
|---|---|---|
| V4478-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4478-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4478SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

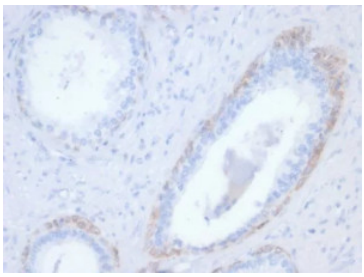
Recombinant | MOUSE MONOCLONAL

**Bulk quote request**

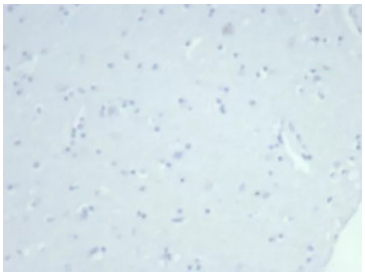
| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | rKRT14/7368 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P02533 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT<br>Western blot: 2-4ug/ml |
| **Limitations** | This recombinant KRT14 antibody is available for research use only. |




Western blot analysis of human skin tissue lysate using Recombinant KRT14 Antibody rKRT14/7368.



IHC staining of FFPE human prostate tissue with recombinant KRT14 antibody (clone rKRT14/7368). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC testing of FFPE human brain tissue using recombinant KRT14 antibody (clone rKRT14/7368) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

Cytokeratin 14 is 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. Otherwise, in the widely well stratified follicular outer root sheath, cytokeratin 14 is uniformly expressed throughout all layers. The expression spectrum of cytokeratin 14 in tumors corresponds well to the patterns in normal epithelia. Thus, most squamous cell carcinomas as well as malignant mesotheliomas strongly express this keratin whereas little, focal, or no expression is found in adenocarcinomas.Cytokeratin 14 may be a useful marker in the differential diagnosis of squamous cell carcinoma from other epithelial tumors. Recent studies also indicate that CK14 expression in breast cancer corresponded with poor clinical outcome and that CK14 may have diagnostic value in the sub-classification of NSCLC.

Explore our KRT14 Antibody KRT14/4128 for investigating cytokeratin 14 expression, basal epithelial differentiation, and intermediate filament organization in normal and diseased tissues.

## Application Notes

Optimal dilution of the recombinant KRT14 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 KRT14 antibody.

## Storage

Aliquot the recombinant KRT14 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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