

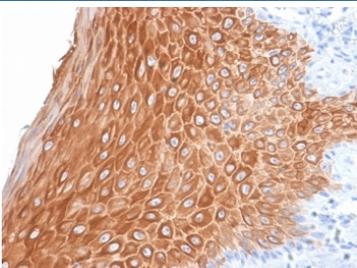
## Recombinant Keratin 16 Antibody / Rabbit Monoclonal [clone KRT16/2043R] (V3625)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V3625-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3625-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3625SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V3625IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

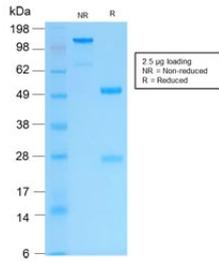
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Recombinant Rabbit Monoclonal  |
| <b>Isotype</b>            | Rabbit IgG, kappa  |
| <b>Clone Name</b>         | KRT16/2043R  |
| <b>Purity</b>             | Protein A affinity chromatography  |
| <b>UniProt</b>            | P08779   |
| <b>Localization</b>       | Cytoplasmic  |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT                  |
| <b>Limitations</b>        | This recombinant Keratin 16 antibody is available for research use only. |



IHC testing of FFPE human skin with recombinant Keratin 16 antibody (clone KRT16/2043R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Keratin 16 antibody (clone KRT16/2043R) as confirmation of integrity and purity.

## Description

Cytokeratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I Cytokeratins (Cytokeratins 9 to 23) and one type II Cytokeratins (keratins 1 to 8). The cytokeratin proteins play a critical role in differentiation, as well as tissue specialization and function, to maintain the overall structural integrity of epithelial cells. Cytokeratins are also useful markers in identifying the origin of metastatic tumors. Cytokeratin 16 is expressed in benign stratified squamous epithelium and squamous cell carcinoma of the head and neck, as well as luminal cells of mammary gland and sweat ducts. It is absent in non-invasive breast carcinomas and normal breast tissue.

## Application Notes

Optimal dilution of the recombinant Keratin 16 antibody 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 C-terminal region peptide was used as the immunogen for the recombinant Keratin 16 antibody.

## Storage

Store the recombinant Keratin 16 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).