

## Involucrin Antibody [clone SPM259] (V9036)

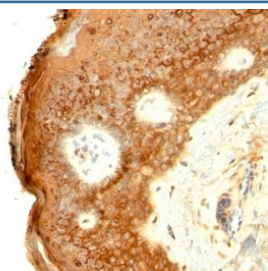
| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V9036-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V9036-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V9036SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V9036IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |



Citations (2)

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|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Availability       | 1-3 business days                                            |
| Species Reactivity | Human                                                        |
| Format             | Purified                                                     |
| Clonality          | Monoclonal (mouse origin)                                    |
| Isotype            | Mouse IgG1, kappa                                            |
| Clone Name         | SPM259                                                       |
| Purity             | Protein G affinity chromatography                            |
| UniProt            | P07476                                                       |
| Localization       | Cytoplasmic                                                  |
| Applications       | Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT  |
| Limitations        | This Involucrin antibody is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human skin stained with Involucrin antibody (SPM259)

## Description

Involucrin is expressed in a range of stratified squamous epithelia, including the cornea, which lacks a distinct cornified layer. In normal epidermis, it is first expressed in the upper spinous layers, and in keratinocyte cultures, all cells that have left the basal layer express it. Involucrin expression is altered in pathological conditions: in psoriasis and other benign epidermal hyperplasias, involucrin expression begins closer to the basal layer than normal; expression is abnormal in squamous cell carcinomas and premalignant lesions, and is reduced in severe dysplasias of the larynx and cervix.

## Application Notes

The optimal dilution of the Involucrin antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues is enhanced by digestion with Trypsin or Protease XXV at 1mg/ml PBS for 5 min at 37oC. Enzyme digestion is better than citrate buffer based epitope unmasking.
2. 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

Purified involucrin from human keratinocytes was used as the immunogen for this Involucrin antibody. Its epitope maps between amino acids 421-568 of human involucrin.

## Storage

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