

Recombinant Cytokeratin 5/KRT5 Monoclonal Antibody

catalog number: **AN300108P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

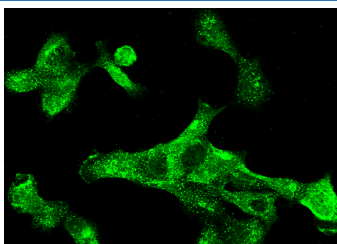
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | A synthetic peptide corresponding to the center region of the Human Cytokeratin 5/KRT5 |
| Host | Rabbit |
| Isotype | IgG |
| Clone | 12F3 |
| Purification | Protein A |
| Buffer | 0.2 µm filtered solution in PBS |

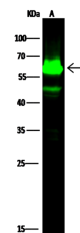
Applications Recommended Dilution

| | |
|---------------|--------------|
| WB | 1:500-1:2000 |
| ICC/IF | 1:20-1:100 |

Data



Immunofluorescence analysis of KRT5 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human KRT5 Monoclonal Antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



Western Blot with Cytokeratin 5 / KRT5 Monoclonal Antibody at dilution of 1:500. Lane A: A431 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:62 kDa
Calculated-MW:62 kDa

Preparation & Storage

| | |
|-----------------|--|
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Shipping | Ice bag |

Background

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q10.

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