# Recombinant CALML5 Monoclonal Antibody

**catalog number: AN300241P**

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

## Description

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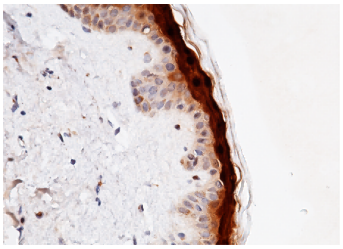
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human CALML5 protein |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Clone** | 5F4 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **IHC-P** | 1:100-1:500 |

## Data



Immunohistochemistry of paraffin-embedded human skin using CALML5 Monoclonal Antibody at dilution of 1:200.

## Preparation & Storage

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

## Background

Calmodulin-like protein 5, also known as Calmodulin-like skin protein, CALML5 and CLSP, is a protein which contains fourEF-hand domains. CALML5/CLSP is particularly abundant in the epidermis where its expression is directly related to keratinocyte differentiation.The expression is very low in lung. CALML5/CLSP binds calcium. It may be involved in terminal differentiation of keratinocytes. Coxsackievirus and adenovirus receptor (CAR) is a member of the immunoglobulin (Ig) superfamily and a component of epithelial tight junction. CAR functions as a primary receptor for coxsackievirus B and adenovirus (Ad) infection. CALML5/CLSP is closely related to CAR. The structure and dynamics of human calmodulin-like skin protein CALML5/CLSP have been characterized by NMR spectroscopy. The mobility of CALML5/CLSP has been found to be different for the N-terminal and C-terminal domains. The N-terminal domain is characterized by four stable helices, which experience large fluctuations. This is shown to be due to mutations in the hydrophobic core. The overall N-terminal domain behavior is similar both in the full-length protein and in the isolated domain.


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