

# CALML5 Polyclonal antibody

Catalog Number: 13059-1-AP

2 Publications

## Basic Information

## Catalog Number:

13059-1-AP

## Size:

1400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3734

## GenBank Accession Number:

BC039172

## GeneID (NCBI):

51806

## UNIPROT ID:

Q9NZT1

## Full Name:

calmodulin-like 5

## Calculated MW:

146 aa, 16 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

IHC 1:300-1:1200

## Applications

## Tested Applications:

IHC, ELISA

## Cited Applications:

IF, IHC

## Species Specificity:

human

## Cited Species:

human

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**IHC :** human skin cancer tissue, human breast cancer tissue

## Background Information

CALML5, also known as calmodulin-like skin protein (CLSP), a recently discovered skin-specific calcium-binding protein, is closely related to keratinocyte differentiation. Abundant expression is detected only in reconstructed epidermis and is restricted to differentiating keratinocytes. In addition, it can associate with transglutaminase 3, shown to be a key enzyme in the terminal differentiation of keratinocytes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiawen Bu	36602226	Elife	IHC
Abdulmajeed Ahmad A AA	23643910	Ann Diagn Pathol	IHC, IF

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

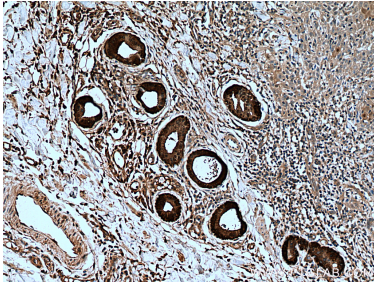
For technical support and original validation data for this product please contact:

T: 4006900926

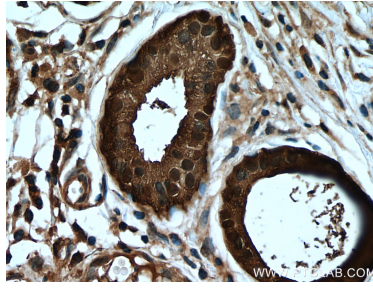
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 13059-1-AP (CALML5 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 13059-1-AP (CALML5 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).