

For Research Use Only

CALML5 Polyclonal antibody

Catalog Number: 13059-1-AP

2 Publications



Basic Information

Catalog Number:

13059-1-AP

Size:

150ul, Concentration: 1400 ug/ml by Nanodrop;

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

Positive Controls:

IHC : human skin cancer tissue, human breast cancer tissue

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

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

*** 20ul sizes contain 0.1% BSA

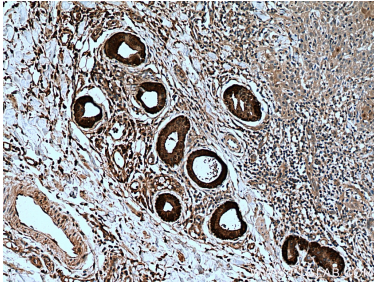
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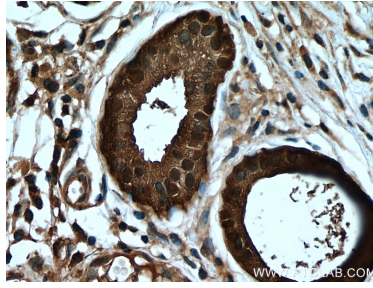
E: proteintech@ptglab.com
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Selected Validation Data



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).