

For Research Use Only

CALML5 Polyclonal antibody

Catalog Number: 13059-1-AP **2 Publications**



Basic Information

Catalog Number: 13059-1-AP	GenBank Accession Number: BC039172	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1400 µg/ml by Nanodrop;	GeneID (NCBI): 51806	Recommended Dilutions: IHC 1:300-1:1200
Source: Rabbit	Full Name: calmodulin-like 5	
Isotype: IgG	Calculated MW: 146 aa, 16 kDa	
Immunogen Catalog Number: AG3734		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human skin cancer tissue, human breast cancer tissue
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	

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

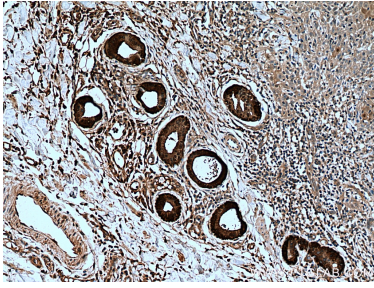
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

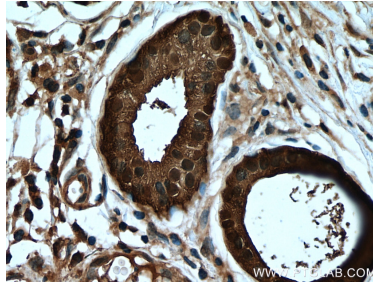
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Selected Validation Data



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).