

## CALML5 Polyclonal Antibody

Catalog number: 13059-1-AP

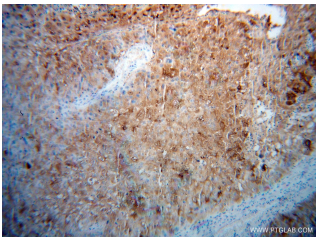
Size: 40 µg/150 µl

Source: Rabbit

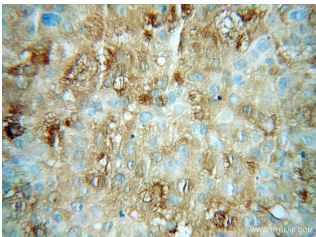
Isotype: IgG

Synonyms:

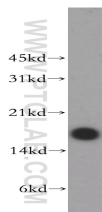
CALML5; CALML5, calmodulin like 5, Calmodulin like protein 5, Calmodulin like skin protein, CLSP



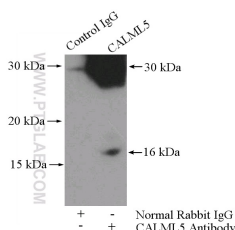
Immunohistochemical of paraffin-embedded human skin cancer using 13059-1-AP(CALML5 antibody) at dilution of 1:500 (under 10x lens)



Immunohistochemical of paraffin-embedded human skin cancer using 13059-1-AP(CALML5 antibody) at dilution of 1:500 (under 40x lens)



A431 cells were subjected to SDS PAGE followed by western blot with 13059-1-AP(CALML5 antibody) at dilution of 1:400



IP Result of anti-CALML5

### Background

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.

### Applications

<b>Tested applications:</b>	ELISA, WB, IHC, IP
<b>Cited applications:</b>	IF, IHC
<b>Species specificity:</b>	Human; other species not tested.
<b>Cited species:</b>	Human
<b>Calculated CALML5 MW:</b>	146aa, 16 kDa
<b>Observed CALML5 MW:</b>	16 kDa
<b>Positive WB detected in</b>	A431 cells
<b>Positive IP detected in</b>	A431 cells
<b>Positive IHC detected in</b>	Human skin cancer tissue
<b>Recommended dilution:</b>	WB: 1:500-1:5000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

<b>Immunogen:</b>	Ag3734
<b>GenBank accession number:</b>	BC039172
<b>Gene ID (NCBI):</b>	51806
<b>Full name:</b>	Calmodulin-like 5

### Product information

<b>Purification method:</b>	Antigen affinity purification
<b>Storage:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**(IP:13059-1-AP, 3ug;  
Detection:13059-1-AP 1:300)  
with A431 cells lysate 1600ug.**