



# Anti-CALML5 (aa 47-146) polyclonal antibody (DPAB-DC2212)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a novel calcium binding protein expressed in the epidermis and related to the calmodulin family of calcium binding proteins. Functional studies with recombinant protein demonstrate it does bind calcium and undergoes a conformational change when it does so. 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.
<b>Immunogen</b>	CALML5 (NP_059118, 47 a.a. ~ 146 a.a) partial recombinant protein with GST tag. The sequence is AQLRKLISEVDSGDGEISFQEFLTAARKARAGLEDLQVAFRAFDQDGDGHITVDELRRA MAGLGQPLPQEELDAMIREADVDDQDGRVNYEEFARMLAQE
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CALML5 calmodulin-like 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CALML5
<b>Synonyms</b>	CALML5; calmodulin-like 5; CLSP; calmodulin-like protein 5; calmodulin-like skin protein;
<b>Entrez Gene ID</b>	<a href="#">51806</a>
<b>Protein Refseq</b>	<a href="#">NP_059118</a>
<b>UniProt ID</b>	<a href="#">Q53H37</a>
<b>Chromosome Location</b>	10p15.1
<b>Pathway</b>	Adrenergic signaling in cardiomyocytes; Alcoholism; Alzheimers disease; Alzheimers Disease
<b>Function</b>	calcium ion binding;