



# CALML5 Polyclonal Antibody

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|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-03093                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>                   | CALML5                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human CALML5. AA range:96-146                                                                                                                                                                                                                                              |
| <b>Specificity</b>                 | CALML5 Polyclonal Antibody detects endogenous levels of CALML5 protein.                                                                                                                                                                                                                                                                        |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                        |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>                    | CALML5;calmodulin like 5;Calmodulin like protein 5;Calmodulin like skin protein; CLSP;Calmodulin-like protein 5;Calmodulin-like skin protein                                                                                                                                                                                                   |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway</b>                | extracellular exosome,                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Specificity</b>          | Particularly abundant in the epidermis where its expression is directly related to keratinocyte differentiation. Very low expression in lung.                                                                                                                                                                                                  |
| <b>Function</b>                    | function: Binds calcium. May be involved in terminal differentiation of keratinocytes.,similarity: Contains 4 EF-hand domains.,subunit: Associates with transglutaminase 3.,tissue specificity: Particularly abundant in the epidermis where its expression is directly related to keratinocyte differentiation. Very low expression in lung., |
| <b>Background</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. [provided by RefSeq, Jul 2008],

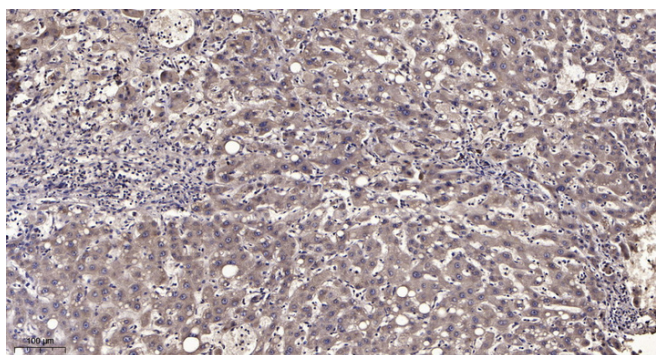
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).