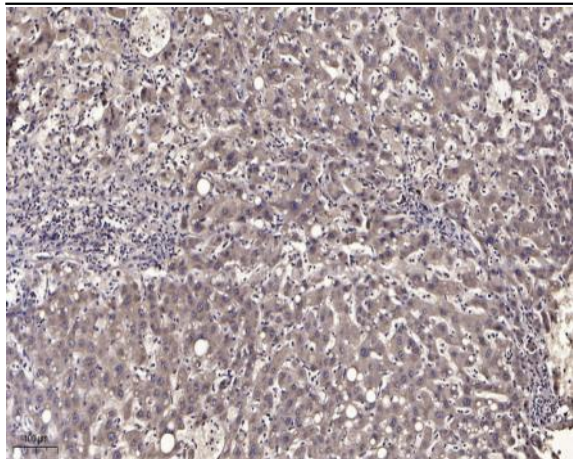


## CALML5 Polyclonal Antibody

<b>Catalog No :</b>	YT0611
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	CALML5
<b>Fields :</b>	>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Phosphatidylinositol signaling system;>>Oocyte meiosis;>>Cellular senescence;>>Adrenergic signaling in cardiomyocytes;>>Vascular smooth muscle contraction;>>Apelin signaling pathway;>>C-type lectin receptor signaling pathway;>>Circadian entrainment;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Dopaminergic synapse;>>Olfactory transduction;>>Phototransduction;>>Inflammatory mediator regulation of TRP channels;>>Insulin signaling pathway;>>GnRH signaling pathway;>>Estrogen signaling pathway;>>Melanogenesis;>>Oxytocin signaling pathway;>>Glucagon signaling pathway;>>Renin secretion;>>Aldosterone synthesis and secretion;>>Salivary secretion;>>Gastric acid secretion;>>Alzheimer disease;>>Parkinson disease;>>Pathways of neurodegeneration - multiple diseases;>>Amphetamine addiction;>>Alcoholism;>>Pertussis;>>Tuberculosis;>>Human cytomegalovirus inf
<b>Gene Name :</b>	CALML5
<b>Protein Name :</b>	Calmodulin-like protein 5
<b>Human Gene Id :</b>	51806
<b>Human Swiss Prot No :</b>	Q9NZT1
<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>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	16kD
<b>Cell Pathway :</b>	Calcium;Phosphatidylinositol signaling system;Oocyte meiosis;Vascular smooth muscle contraction;Long-term potentiation;Neurotrophin;Olfactory transduction;Insulin_Receptor;GnRH;Melanogenesis;Alzheimer
<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],
<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>Subcellular Location :</b>	extracellular exosome,
<b>Expression :</b>	Particularly abundant in the epidermis where its expression is directly related to keratinocyte differentiation. Very low expression in lung.

## 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).