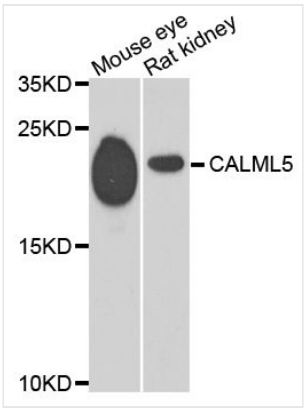
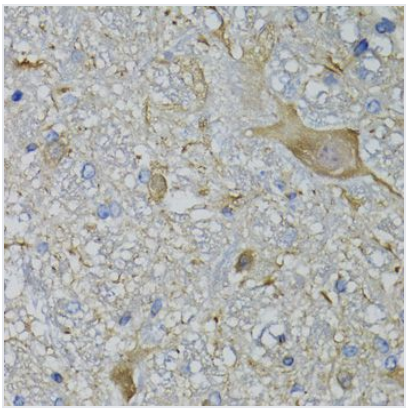
CALML5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

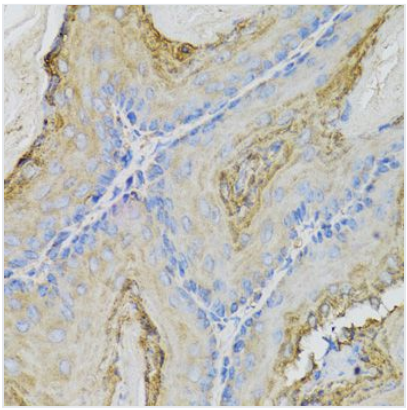
Product Name	CALML5, Polyclonal Antibody
Full Product Name	CALML5 Polyclonal Antibody
Product Gene Name	anti-CALML5 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	16kDa
OMIM	605183
3D Structure	ModBase 3D Structure for Q9NZT1
Immunogen	Recombinant protein of human CALML5
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CALML5 antibody	Western Blot (WB)
Application Notes for anti-CALML5 antibody	WB 1:500 - 1:2000
Related Product Information for anti-CALML5 antibody	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.
Other Notes	Small volumes of anti-CALML5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CALML5 purchase	MBS9128756 is an antibody targeting CALML5. Also known as CALML5 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CALML5 antibody
Western blot analysis of extracts of various cell lines, using CALML5 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit.Exposure time: 90s.



Immunohistochemistry (IHC) of anti-CALML5 antibody
Immunohistochemistry of paraffin-embedded mouse brain using CALML5 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-CALML5 antibody
Immunohistochemistry of paraffin-embedded mouse stomach using CALML5 antibody at dilution of 1:100 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CALML5. It may not necessarily be applicable to this product.

NCBI GI #	223278387
NCBI GeneID	51806
NCBI Accession #	NP_059118.2
UniProt Primary Accession #	Q9NZT1
UniProt Secondary Accession #	Q5SQI3; Q8IXU8
UniProt Related Accession #	Q9NZT1
GenBank Nucleotide #	NM_017422.4
NCBI Official Full Name	calmodulin-like protein 5
NCBI Official Synonym Full Names	calmodulin-like 5
NCBI Official Symbol	CALML5
NCBI Official Synonym Symbols	CLSP
UniProt Protein Name	Calmodulin-like protein 5
UniProt Synonym Protein Names	Calmodulin-like skin protein

UniProt Gene Name	CALML5
UniProt Synonym Gene Names	CLSP
UniProt Entry Name	CALL5_HUMAN
NCBI Protein Information	calmodulin-like protein 5
UniProt Comments for CALML5	CALML5: Binds calcium. May be involved in terminal differentiation of keratinocytes. Protein type: Calcium-binding Chromosomal Location of Human Ortholog: 10p15.1 Molecular Function: calcium ion binding Biological Process: epidermis development; signal transduction
Research Articles on CALML5	**1.** CLSP is increased in the upper epidermis in exacerbated atopic dermatitis as compared to non-exacerbated atopic dermatitis and normal skin, revealing a role in re-establishing the epidermal barrier
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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