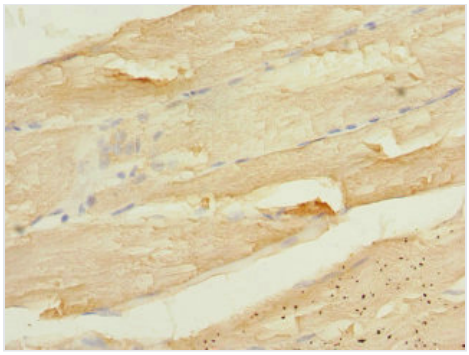
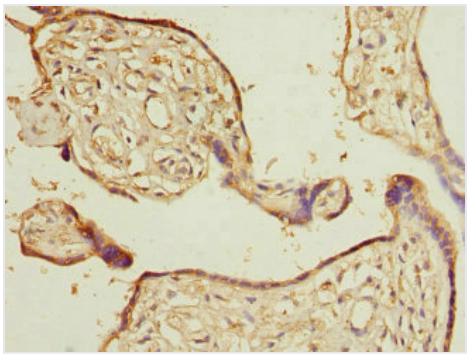
CALU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CALU, Polyclonal Antibody
Full Product Name	CALU Antibody
Product Gene Name	anti-CALU antibody
Product Synonym Names	Calumenin; Crocalbin; IEF SSP 9302; CALU
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	19,455 Da
OMIM	603420
3D Structure	ModBase 3D Structure for O43852
Species	Human
Immunogen	Recombinant human Calumenin protein (20-315AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-51045 / sc-51046 / sc-51047
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CALU antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CALU antibody	Recommended dilution: IHC: 1:20-1:200
Related Product Information for anti-CALU antibody	Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).
Other Notes	Small volumes of anti-CALU 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 CALU purchase	MBS7046299 is an antibody targeting CALU. Also known as CALU Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CALU antibody
Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using MBS7046299 at dilution 1:100



Immunohistochemistry (IHC) of anti-CALU antibody
Immunohistochemistry of paraffin-embedded human placenta tissue using MBS7046299 at dilution 1:100

ADDITIONAL DETAILS

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

NCBI GI #	194578885
NCBI GeneID	813
NCBI Accession #	NP_001124146.1
UniProt Primary Accession #	O43852
UniProt Secondary Accession #	B3KPG9; D6QS48; D6QS49; D6QS50; D6QS51; D6QS52; D6QS53; D6QS54; D6QS55; D6QS56; D6QS57
UniProt Related Accession #	O43852
GenBank Nucleotide #	NM_001130674.2
NCBI Official Full Name	calumenin isoform b
NCBI Official Synonym Full Names	calumenin
NCBI Official Symbol	CALU
UniProt Protein Name	Calumenin
UniProt Synonym Protein Names	Crocalbin; IEF SSP 9302
Protein Family	Calumenin
UniProt Gene Name	CALU
UniProt Entry Name	CALU_HUMAN
NCBI Protein Information	calumenin
NCBI Summary for CALU	The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum (ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]
UniProt Comments for CALU	CALU: Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma-carboxylase GGCX. Binds 7 calcium ions with a low affinity. Belongs to the CREC family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Calcium-binding; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q32.1 Cellular Component: endoplasmic reticulum; membrane Molecular Function: calcium ion binding; protein binding

Research Articles on CALU	**1.** Results provide direct evidence for the involvement of CALU and LGALS3BP as potential negative regulators in the virus-triggered induction of the typeI interferons.
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