

Product datasheet

Anti-LMCD1 antibody ab121788

3 Images

Overview

Product name	Anti-LMCD1 antibody
Description	Rabbit polyclonal to LMCD1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence, corresponding to amino acids 160-293 of Human LMCD1.
Positive control	Human cerebellum tissue; RT-4, U-251 MG cell lysate; Human Liver and Tonsil lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab121788** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

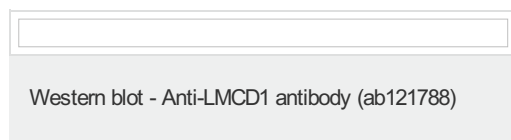
Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment
WB		1/250 - 1/500.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Transcriptional cofactor that restricts GATA6 function by inhibiting DNA-binding, resulting in repression of GATA6 transcriptional activation of downstream target genes. Represses GATA6-mediated trans activation of lung- and cardiac tissue-specific promoters. Inhibits DNA-binding by GATA4 and GATA1 to the cTNC promoter (By similarity). Plays a critical role in the development of cardiac hypertrophy via activation of calcineurin/nuclear factor of activated T cells signaling pathway.
Tissue specificity	Expressed in the heart (at protein level). Expressed in many tissues with highest abundance in skeletal muscle.
Sequence similarities	Contains 2 LIM zinc-binding domains. Contains 1 PET domain.
Domain	The LIM zinc-binding domains and the Cys-rich region mediate interaction with GATA6.
Cellular localization	Cytoplasm. Nucleus. May shuttle between the cytoplasm and the nucleus.

Images



All lanes : Anti-LMCD1 antibody (ab121788) at 1/250 dilution

Lane 1 : RT-4 cell lysate

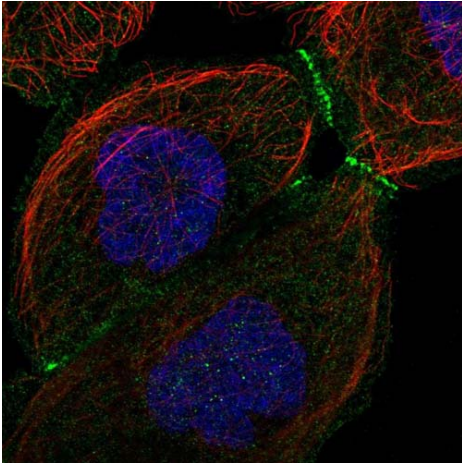
Lane 2 : U-251 MG cell lysate

Lane 3 : Human Plasma

Lane 4 : Human Liver lysate

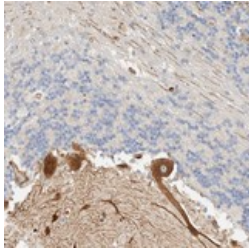
Lane 5 : Human Tonsil lysate

Developed using the ECL technique.



Immunocytochemistry/ Immunofluorescence - Anti-LMCD1 antibody (ab121788)

Immunofluorescent staining of Human cell line A-431 shows positivity in plasma membrane and cell junctions. Recommended concentration of ab121788 1-4 $\mu\text{g/ml}$. Cells treated with PFA/Triton X-100.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMCD1 antibody (ab121788)

ab121788, at 1/400 dilution, staining LMCD1 in paraffin-embedded Human cerebellum tissue, by Immunohistochemistry.

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