

For Research Use Only

LCE1B Polyclonal antibody

Catalog Number: 21771-1-AP



Basic Information

Catalog Number: 21771-1-AP	GenBank Accession Number: BC104232	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 353132	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q5T7P3	
Isotype: IgG	Full Name: late cornified envelope 1B	
Immunogen Catalog Number: AG16442	Calculated MW: 118 aa, 12 kDa Observed MW: 10-12 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A375 cells, mouse skin tissue, rat skin tissue

IHC: human skin tissue, human oesophagus tissue

IF: A375 cells,

Background Information

Human LCE1B (Late cornified envelope protein 1B), also named late envelope protein 2 (LEP2), is located at human Chromosome1q21 which contains multiple LCE clusters. LCE1B gene is predicated to encode a 118-aa protein, and is currently evidenced at transcript level. Its expression was skin-specific and was readily detected in adult trunk skin, adult arm skin, fetal skin, penal skin, vulva, esophagus and tongue (PMID: 15854049). LCE genes respond to environmental stimuli such as calcium levels and ultraviolet (UV) light, however, LCE groups have distinct functions (PMID: 15854049).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

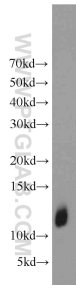
T: 4006900926

E: Proteintech-CN@ptglab.com

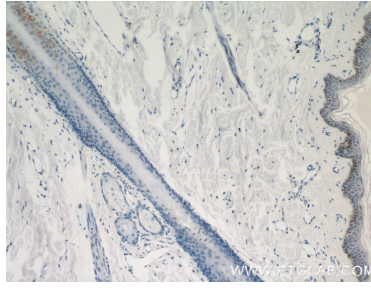
W: ptgcn.com

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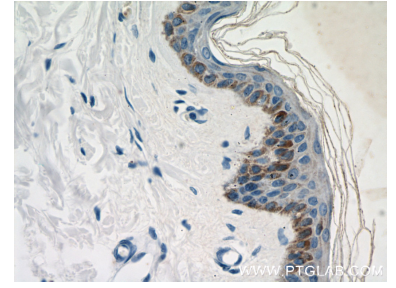
Selected Validation Data



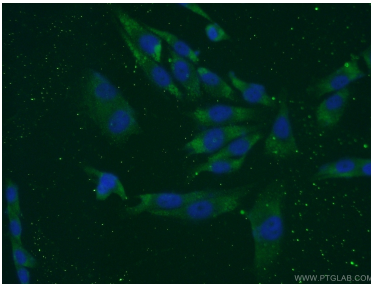
A375 cells were subjected to SDS PAGE followed by western blot with 21771-1-AP (LCE1B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin using 21771-1-AP (LCE1B antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin using 21771-1-AP (LCE1B antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of A375 cells using 21771-1-AP (LCE1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).