

LCE1B Polyclonal antibody

Catalog Number: 21771-1-AP

Basic Information

Catalog Number:

21771-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16442

GenBank Accession Number:

BC104232

GeneID (NCBI):

353132

UNIPROT ID:

Q5T7P3

Full Name:

late cornified envelope 1B

Calculated MW:

118 aa, 12 kDa

Observed MW:

10-12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, 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/ICC : 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, penial 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:

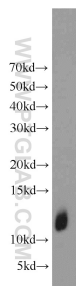
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

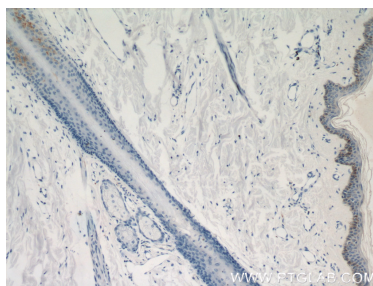
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

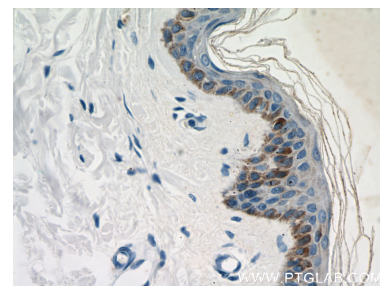
Selected Validation Data



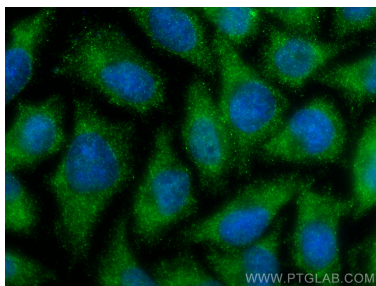
A375 cells were subjected to SDS PAGE followed by western blot with 21771-1-AP (LCE1B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 (-20°C Ethanol) fixed A375 cells using LCE1B antibody (21771-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).