

LANCL1 Monoclonal antibody

Catalog Number: 68160-1-Ig

Basic Information

Catalog Number:

68160-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG32665

GenBank Accession Number:

BC028685

GeneID (NCBI):

10314

UNIPROT ID:

O43813

Full Name:

LanC lantibiotic synthetase component C-like 1 (bacterial)

Calculated MW:

399 aa, 45 kDa

Observed MW:

40 kDa

Purification Method:

Protein G purification

CloneNo.:

2H6E8

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:400-1:1600

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Species Specificity:

Human, mouse, rat, pig

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IP : mouse brain tissue,

IF/ICC : U-251 cells,

Background Information

LanCL1 (also known as P40 or GRP69A), is homologous to bacterial lanthionine synthetase C (LanC) family, which is involved in the biosynthesis of antimicrobial peptides (lantibiotics). LanCL1 was identified as a reduced glutathione (GSH)-binding protein and primarily expressed in neural tissues and testis.

Storage

Storage:

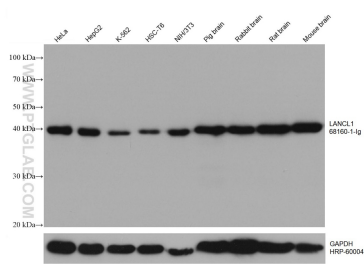
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

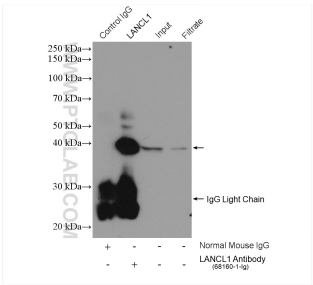
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

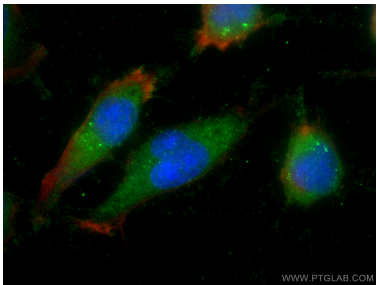
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68160-1-Ig (LANCL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



IP result of anti-LANCL1 (IP:68160-1-Ig, 5ug; Detection:68160-1-Ig 1:2000) with mouse brain tissue lysate 1600 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using LANCL1 antibody (68160-1-Ig, Clone: 2H6E8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).