

For Research Use Only

LANCL1 Monoclonal antibody

Catalog Number: 68160-1-Ig



Basic Information

Catalog Number: 68160-1-Ig	GenBank Accession Number: BC028685	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10314	CloneNo.: 2H6E8
Source: Mouse	Full Name: LanC lantibiotic synthetase component C-like 1 (bacterial)	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG1	Calculated MW: 399 aa, 45 kDa	IF 1:400-1:1600
Immunogen Catalog Number: AG32665	Observed MW: 40 kDa	

Applications

Tested Applications:

IF, 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 : 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

*** 20ul sizes contain 0.1% BSA

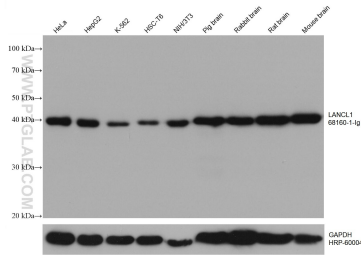
For technical support and original validation data for this product please contact:

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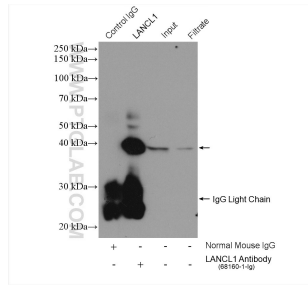
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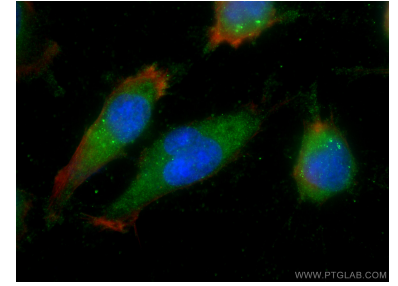
Selected Validation Data



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).