

For Research Use Only

LETM1 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68208-1-PBS

Featured Product



Basic Information

Catalog Number:

68208-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8851

GenBank Accession Number:

BC021208

GeneID (NCBI):

3954

UNIPROT ID:

O95202

Full Name:

leucine zipper-EF-hand containing transmembrane protein 1

Calculated MW:

739 aa, 83 kDa

Observed MW:

83 kDa

Purification Method:

Protein G purification

CloneNo.:

2B9B9

Applications

Tested Applications:

WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human, rat

Background Information

LETM1 is a mitochondrial inner membrane protein. It functions to maintain the mitochondrial tubular shapes and is required for normal mitochondrial morphology and cellular viability. It served as an anchor protein for complex formation between mitochondria and ribosome, and regulated mitochondrial biogenesis. It was also identified in Wolf-Hirschhorn syndrome, and was deleted in nearly all patients with the syndrome. A recent study determined that adenovirus-mediated LETM1 may provide a useful target for designing lung tumor prevention and treatment.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

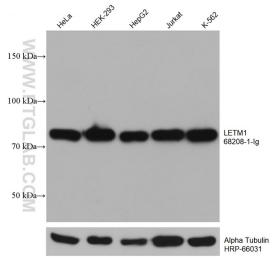
T: 4006900926

E: Proteintech-CN@ptglab.com

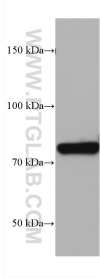
W: ptgcn.com

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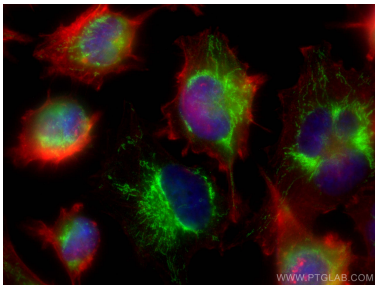
Selected Validation Data



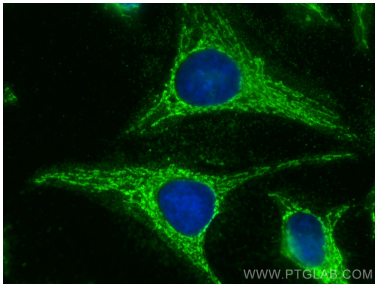
HeLa cells were subjected to SDS PAGE followed by western blot with 68208-1-Ig (LETM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



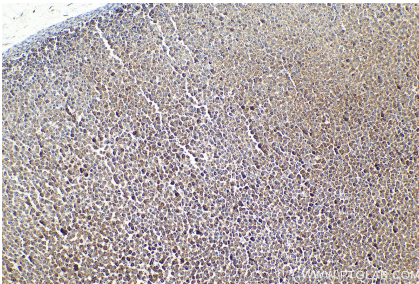
rat heart tissue were subjected to SDS PAGE followed by western blot with 68208-1-Ig (LETM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



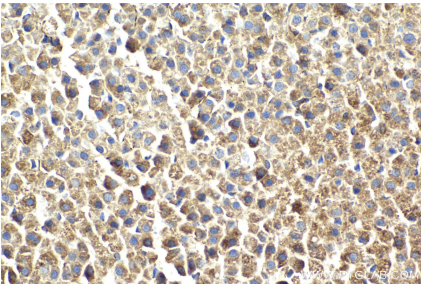
Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using LETM1 antibody (68208-1-Ig, Clone: 2B9B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



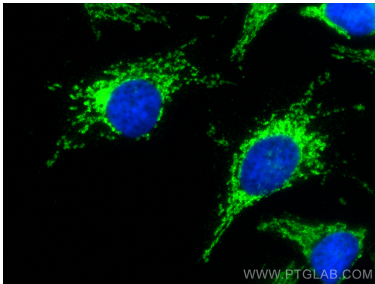
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using LETM1 antibody (68208-1-Ig, Clone: 2B9B9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



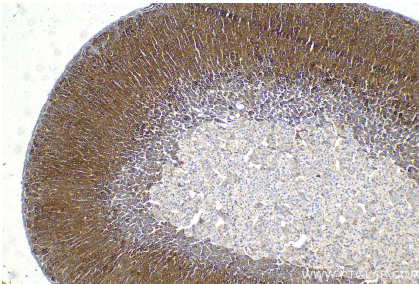
Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using 68208-1-Ig (LETM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



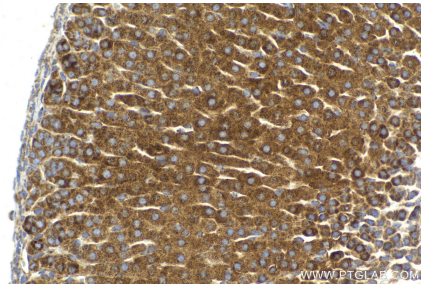
Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using 68208-1-Ig (LETM1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



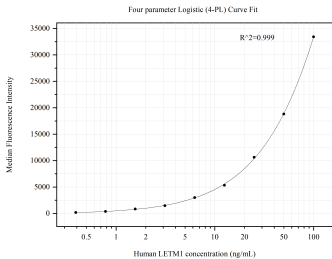
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using LETM1 antibody (68208-1-Ig, Clone: 2B9B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using 68208-1-Ig (LETM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using 68208-1-Ig (LETM1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68208-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50653-2, LETM1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68208-4-PBS. Detection antibody: 68208-1-PBS. Standard: Ag8851. Range: 0.391-100 ng/mL