For Research Use Only

MLKL Monoclonal antibody, PBS Only

Catalog Number:66675-1-PBS Featured Product

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Basic Information

Catalog Number:
66675-1-PBS

Size:
100ug , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG15188

GenBank Accession Number:
BC028141

GeneID (NCBI):
197259

UNIPROT ID:
Q8NB16

Full Name:
mixed lineage kinase domain-like

Calculated MW:
471 aa, 54 kDa

Observed MW:
35-40 kDa, 50-55 kDa

Purification Method:
Protein A purification

CloneNo.:
3D4C6

Applications

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

Species Specificity:
human, mouse

Background Information

Mixed lineage kinase domain like pseudokinase (MLKL), belongs to the protein kinase superfamily and has two MW of 54 and 30 kDa. MLKL plays a critical role in tumor necrosis factor (TNF)-induced necroptosis, a programmed cell death process, via interaction with receptor-interacting protein 3 (RIP3), which is a key signaling molecule in the necroptosis pathway. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. The 66675-1-Ig antibody recognizes 54 kDa MLKL monomer, 216 kDa MLKL tetramer, and a band around 45-50 kDa which are similar to papers published. (PMID: 31848291). MLKL can be detected as a 35kDa truncated isoform (PMID: 35965541).

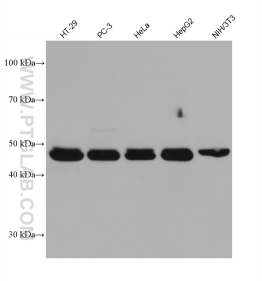
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

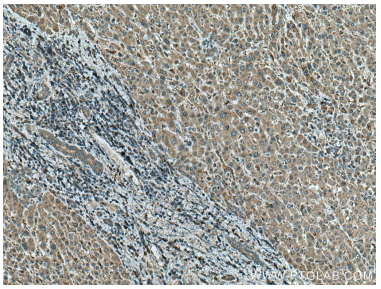
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

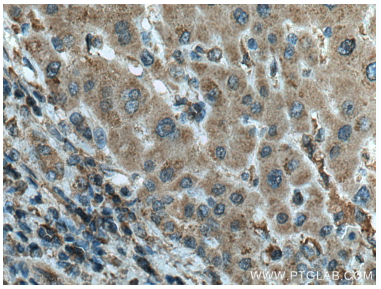
Selected Validation Data



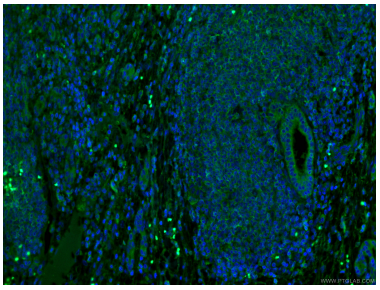
Various lysates were subjected to SDS PAGE followed by western blot with 66675-1-Ig (MLKL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



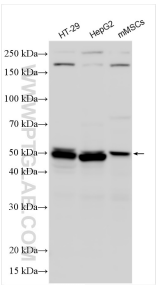
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66675-1-Ig (MLKL antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



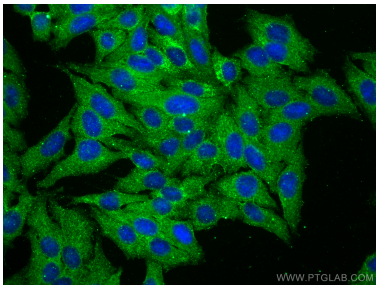
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66675-1-Ig (MLKL antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using 66675-1-Ig (MLKL antibody) at dilution of 1:100 and CoraLite488-Conjugated Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66675-1-Ig (MLKL antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MLKL antibody (66675-1-Ig, Clone: 3D4C6) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.