

For Research Use Only

# MLKL Monoclonal antibody, PBS Only



Catalog Number: 66675-1-PBS

Featured Product

## Basic Information

**Catalog Number:**

66675-1-PBS

**Size:**

100ug, Concentration: 1 mg/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:**

35-40kDa, 50-55 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3D4C6

## Applications

**Tested Applications:**

WB, IF, IHC, ELISA

**Species Specificity:**

Human, Mouse

## Background Information

Mixed lineage kinase domain like pseudokinase (MLKL), belongs to the protein kinase superfamily, 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 necroptosis pathway. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. 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 a 35kDa truncated isoform (PMID: 35965541).

## Storage

**Storage:**

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

**Storage Buffer:**

PBS only

Aliquoting is unnecessary for -20°C storage

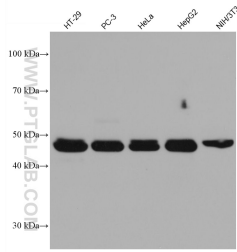
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

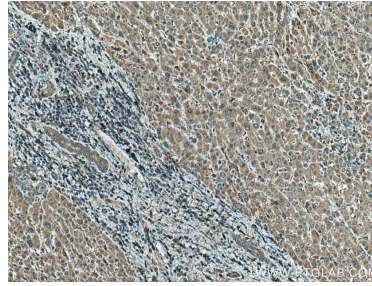
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

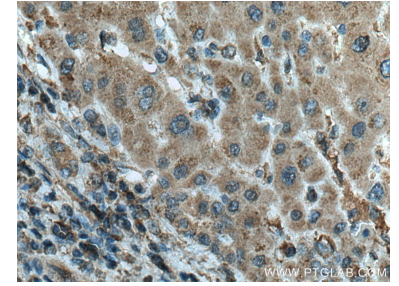
## Selected Validation Data



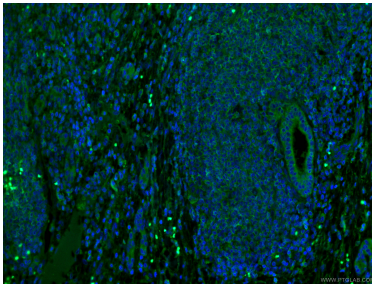
Various lysates were subjected to SDS PAGE followed by western blot with 66675-1-Ig (MLKL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66675-1-PBS in a different storage buffer formulation.



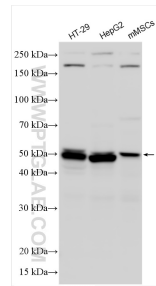
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66675-1-Ig (MLKL antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66675-1-PBS in a different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