

For Research Use Only

# MLKL Polyclonal antibody

Catalog Number: 21066-1-AP

Featured Product

45 Publications



## Basic Information

**Catalog Number:**

21066-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**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:**

54 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HT-29 cells, HepG2 cells, mMSCs cells

IHC : human liver cancer tissue, human kidney tissue

IF : HepG2 cells,

## 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.

## Notable Publications

| Author        | Pubmed ID | Journal             | Application |
|---------------|-----------|---------------------|-------------|
| Qing-Song Lin | 31506635  | Lab Invest          | WB          |
| Yueyang Wang  | 34480665  | Biol Trace Elem Res | WB          |
| Muhammad Khan | 36389725  | Front Immunol       | IHC         |

## 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

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

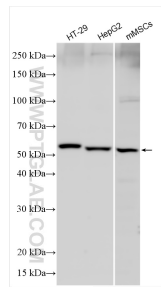
T: 4006900926

E: Proteintech-CN@ptglab.com

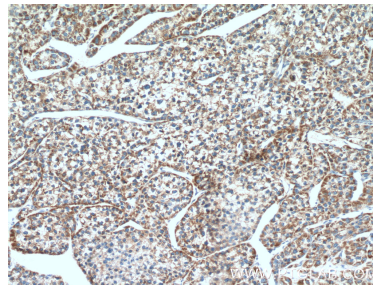
W: ptgcn.com

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

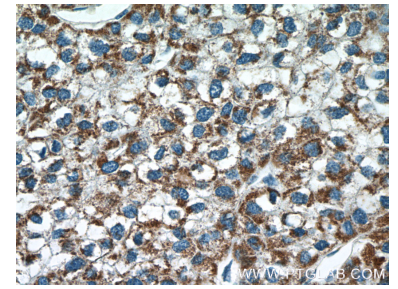
## Selected Validation Data



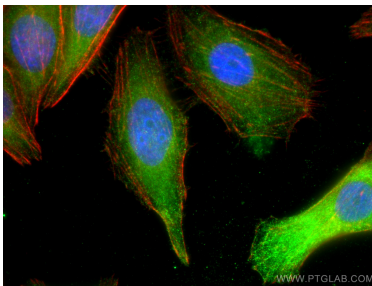
Various lysates were subjected to SDS PAGE followed by western blot with 21066-1-AP (MLKL antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21066-1-AP (MLKL antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21066-1-AP (MLKL antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MLKL antibody (21066-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).