

For Research Use Only

# Phospho-MLKL (Ser358) Recombinant antibody

Catalog Number: 82090-2-RR



## Basic Information

Catalog Number:

82090-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

XM\_005255834

GeneID (NCBI):

197259

UNIPROT ID:

Q8NB16

Full Name:

mixed lineage kinase domain-like

Calculated MW:

54 kDa

Observed MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

241469D2

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : TNF alpha and Calyculin A treated HT-29 cells,

## Background Information

Mixed lineage kinase domain like pseudokinase (MLKL), belongs to the protein kinase superfamily. One common method for inducing necroptosis is by treating cells grown in culture with a mixture composed of TNF- $\alpha$ , a Smac-mimetic, that degrades cellular inhibitors of apoptosis (cIAPs) and the pancaspase inhibitor Z-VAD-FMK. This mixture is abbreviated as T/S/Z. It drives necrosome complex formation and RIPK3-dependent phosphorylation of Thr-357 and Ser-358 located within the C-terminal kinase-like domain of human MLKL (PMID: 28878015)

## 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:

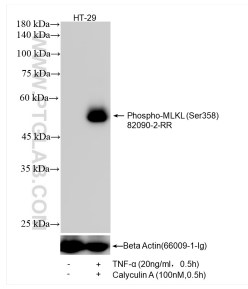
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## Selected Validation Data



Non-treated HT-29 cells, TNF alpha and Calyculin A treated HT-29 cells were subjected to SDS PAGE followed by western blot with 82090-2-RR (Phospho-MLKL (Ser358) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.