

Phospho-MLKL-S345 Rabbit mAb

Catalog No.: AP1550 **Recombinant**

Basic Information

Observed MW

55kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Mouse

Clone/No. number

ARC3328

Background

This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain; however, is thought to lack protein kinase activity. This protein 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. Knockout of this gene in mice showed that it is essential for necroptosis. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB	1:1000 - 1:6000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

74568

Swiss Prot

Q9D2Y4

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

9130019I15Rik

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

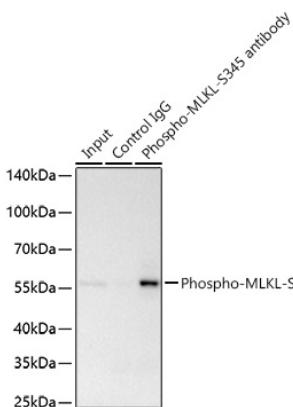
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation of Phospho-MLKL-S345 from 200 μ g extracts of L929 cells treated with TNF- α (20 ng/mL, 7h) and Z-VAD (20 μ M, 7h) and BV-6 (100 nM, 7h) was performed using 1 μ g of Phospho-MLKL-S345 Rabbit mAb(AP1550). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-MLKL-S345 Rabbit mAb(AP1550) at a dilution of 1:5000.

