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

CloneNo 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 400μg-600μg 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 ID74568

Swiss Prot
Q9D2Y4

Immunogen

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

Synonyms

9130019I15Rik

Contact

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Product Information

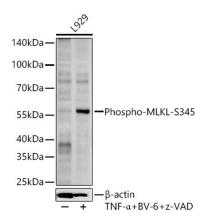
SourceIsotypePurificationRabbitIgGAffinity purification

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



Western blot analysis of lysates from L929 cells using Phospho-MLKL-S345 Rabbit mAb (AP1550) at 1:1000 dilution incubated overnight at 4°C. L929 cells were treated by Z-VAD (100 nM), TNF- α (20 ng/mL) and BV-6 (100 nM) for 7 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.