

Phospho-MLKL-S345 Rabbit pAb

Catalog No.: AP1255

Basic Information

Observed MW

54kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse

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 1:100 - 1:500

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; Phospho-MLKL-S345

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

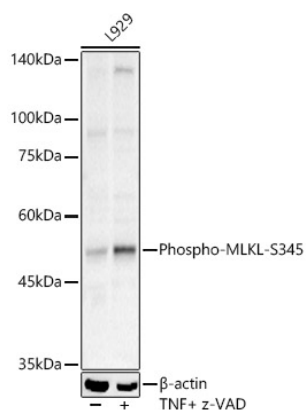
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, 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 pAb (AP1255) at 1:400 dilution. L929 cells were treated with 20 ng/ml TNF alpha 100 nM Smac mimetic and 20 μ M z-VAD for 8h. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.