SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-MLKL (p-S345) Polyclonal Antibody

Catalog Number: SLA0080

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	74568
SWISS:	Q9D2Y4
Target:	MLKL (p-S345)
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from mouse MLKL around the phosphorylation site of Ser345
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse
Background:	This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain; however, is thought to be inactive because it lacks several residues required for 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. Inhibitor studies and knockdown of this gene inhibited TNF-induced necrosis. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Sep 2015].

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

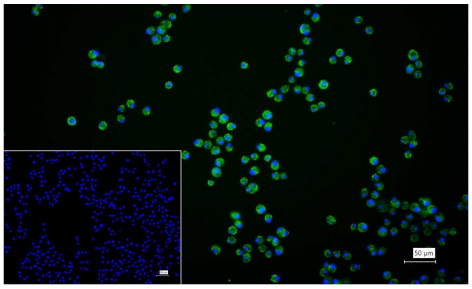


Figure 1. 4% Paraformaldehyde-fixed L-929 (treated with 20 ng/ml TNF alpha, 100 nM Smac mimetic, and 20 μM z-VAD for 8 h) (M) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (phospho-MLKL (Ser345)) polyclonal Antibody, unconjugated (SLA0080) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
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