

# Product datasheet

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ARG54860 anti-MLKL antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes MLKL

Tested Reactivity Ms
Tested Application WB
Host Rabbit

Clonality Polyclonal

Isotype IgG
Target Name MLKL

Species Mouse

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 444-472 (C-terminus) of Mouse MLKL.

Conjugation Un-conjugated

Alternate Names Mixed lineage kinase domain-like protein; hMLKL

# **Application Instructions**

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse lung	

# **Properties**

Form Liquid

**Purification** Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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#### Swiss-port # Q9D2Y4 Mouse

Gene Symbol Mlkl

Gene Full Name mixed lineage kinase domain-like

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]

Function Pseudokinase that plays a key role in TNF-induced necroptosis, a programmed cell death process.

Activated following phosphorylation by RIPK3, leading to homotrimerization, localization to the plasma

membrane and execution of programmed necrosis characterized by calcium influx and plasma

membrane damage. Does not have protein kinase activity. [UniProt]

Highlight Related products:

MLKL antibodies; MLKL Duos / Panels; Anti-Rabbit IgG secondary antibodies;

Related news:

RIP1 activation and pathogenesis of NASH

Ripoptosome & Necrosome antibody panels are launched

Research Area Cancer antibody; Signaling Transduction antibody

Calculated Mw 54 kDa

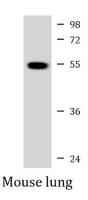
PTM Phosphorylation by RIPK3 induces a conformational switch that is required for necroptosis. It also

induces homotrimerization and localization to the plasma membrane.

Cellular Localization Cytoplasm. Cell membrane. Note=Localizes to the cytoplasm and translocates to the plasma membrane

on necroptosis induction.

## **Images**



#### ARG54860 anti-MLKL antibody WB image

Western blot: 35  $\mu g$  of Mouse lung tissue lysate stained with ARG54860 anti-MLKL antibody at 1:1000 dilution.