

## MLKL

**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**54 kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human MLKL

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

hMLKL;

**Catalog #:**A11458

**Antibody Type:**

Monoclonal Antibody

**Species:**Rabbit

**Gene ID:**197259

**Isotype:**IgG

**Swiss Prot:**Q8NB16

**Purity:**Affinity purification

For research use only.

**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.

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