

# MLKL Rabbit mAb

Catalog # AP75727

## Product Information

Application	WB
Primary Accession	<a href="#">Q8NB16</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	54479

## Additional Information

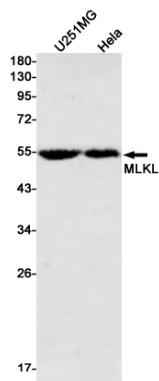
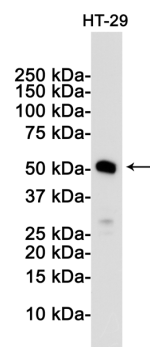
Gene ID	197259
Other Names	MLKL
Dilution	WB~~1/500-1/1000
Format	Liquid

## Protein Information

Name	MLKL {ECO:0000303 PubMed:22265413, ECO:0000312 HGNC:HGNC:26617}
Function	<p>Pseudokinase that plays a key role in TNF-induced necroptosis, a programmed cell death process (PubMed:<a href="#">22265413</a>, PubMed:<a href="#">22265414</a>, PubMed:<a href="#">22421439</a>, PubMed:<a href="#">24316671</a>). Does not have protein kinase activity (PubMed:<a href="#">22265413</a>, PubMed:<a href="#">22265414</a>, PubMed:<a href="#">22421439</a>, PubMed:<a href="#">24316671</a>). 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 (PubMed:<a href="#">22265413</a>, PubMed:<a href="#">22265414</a>, PubMed:<a href="#">22421439</a>, PubMed:<a href="#">24316671</a>). In addition to TNF-induced necroptosis, necroptosis can also take place in the nucleus in response to orthomyxoviruses infection: following activation by ZBP1, MLKL is phosphorylated by RIPK3 in the nucleus, triggering disruption of the nuclear envelope and leakage of cellular DNA into the cytosol.following ZBP1 activation, which senses double-stranded Z-RNA structures, nuclear RIPK3 catalyzes phosphorylation and activation of MLKL, promoting disruption of the nuclear envelope and leakage of cellular DNA into the cytosol (By similarity). Binds to highly phosphorylated inositol phosphates such as inositolhexakisphosphate (InsP6) which is essential for its necroptotic function (PubMed:<a href="#">29883610</a>).</p>
Cellular Location	<p>Cytoplasm. Cell membrane Nucleus {ECO:0000250 UniProtKB:Q9D2Y4}. Note=Localizes to the cytoplasm and translocates to the plasma membrane on necroptosis induction (PubMed:<a href="#">24316671</a>). Localizes to the nucleus in</p>

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.