

**bsm-52256R****[ Primary Antibody ]****BioSS**  
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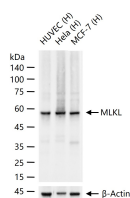
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**MLKL Recombinant Rabbit mAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Recombinant <b>GeneID:</b> 197259 <b>Target:</b> MLKL <b>Immunogen:</b> A synthesized peptide derived from human MLKL: 350-471. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> 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].	<b>Isotype:</b> IgG <b>CloneNo.:</b> 3G4 <b>SWISS:</b> Q8NB16	<b>Applications:</b> WB (1:1000) <b>Reactivity:</b> Human  <b>Predicted MW.:</b> 54 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with MLKL monoclonal antibody, unconjugated (bsm-52256R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

**— SELECTED CITATIONS —**

- **[IF=5.1]** Dan Zhao. et al. Copper exposure induces inflammation and PANoptosis through the TLR4/NF-κB signaling pathway, leading to testicular damage and impaired spermatogenesis in Wilson disease. CHEM-BIOL INTERACT. 2024 Jun;396:111060 WB ;Mouse. 38761876
- **[IF=3.853]** Xing, Jing. et al. CircZNF644 aggravates lipopolysaccharide-induced HK-2 cell impairment via the miR-140-5p/MLKL axis. J BIOENERG BIOMEMBR. 2022 Aug;:1-12 WB ;Human. 35976517