ELK Biotechnology

# MLKL (phospho Ser358) rabbit pAb

## Cat No.:ES14935

**For research use only**

**Overview**

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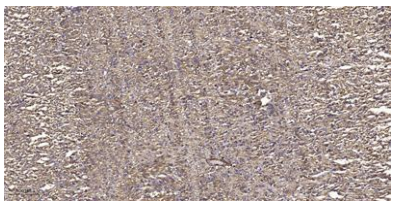
| **Product Name** | MLKL (phospho Ser358) rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | IHC;IF;WB |
| **Species Cross-Reactivity** | Human |
| **Recommended dilutions** | IHC-p 1:100-500;IF/ICC 1:100-500;WB 1:500-2000 |
| **Immunogen** | Synthesized peptide derived from human MLKL (phospho S358) |
| **Specificity** | This antibody detects endogenous phospho levels of MLKL (phospho S358) at Human, Mouse, Rat |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | MLKL (phospho S358) |
| **Gene Name** | MLKL |
| **Cellular localization** | Cytoplasm . Cell membrane . Nucleus . Localizes to the cytoplasm and translocates to the plasma membrane on necroptosis induction (PubMed:24316671). Localizes to the nucleus in response to orthomyxoviruses infection (By similarity). . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 55kD |
| **Human Gene ID** | 197259 |
| **Human Swiss-Prot Number** | Q8NB16 |
| **Alternative Names** | Mixed lineage kinase domain-like protein |
| **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],



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:2

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