MLKL Polyclonal Antibody

**Catalog No.** A5579  
**Category** Polyclonal Antibodies  
**Applications** WB, IHC, IF  
**Observed MW** 55kDa  
**Cross-reactivity** Human, Mouse, Rat  
**Calculated MW** 53kDa/54kDa

### Immunogen Information
- **Immunogen**: Recombinant protein of mouse MLKL  
- **Gene ID**: 74568  
- **Swiss prot**:  
- **Synonyms**: hMLKL

### Product Information
- **Source**: Rabbit  
- **Isotype**: IgG  
- **Purification method**: Affinity purification  
- **Storage**: Store at -20°C. Avoid freeze / thaw cycles.  
  Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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.

### Recommended Dilutions
- **WB**: 1:500 - 1:2000  
- **IHC**: 1:50 - 1:200  
- **IF**: 1:50 - 1:200

**Western blot - MLKL Polyclonal Antibody (A5579)**