



# SHARPIN mouse mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Catalog No</b>                  | YP-mAb-17899                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>                   | SHARPIN SIPL1 PSEC0216                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>                   | Synthesized peptide derived from human SHARPIN                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>                 | This antibody detects endogenous levels of SHARPIN at Human, Mouse,Ra                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                         |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                    | SIPL1;Shank-interacting protein-like 1;Shank-associated RH domain-interacting protein;PSEC0216;hSIPL1;SHARPIN;SHARPIN SIPL1 PSEC0216;Sharpin (Shank-associated RH domain-interacting protein) (Shank-interacting protein-like 1) (hSIPL1)                                                                                                                                                                                                                    |
| <b>Observed Band</b>               | 40 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 40 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>                | Cytoplasm, cytosol . Cell junction, synapse . Enriched at synaptic sites in mature neurons where it colocalizes with SHANK1. .                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b>          | Highly expressed in skeletal muscle and placenta and at lower levels in brain, heart, colon without mucosa, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes. Up-regulated in various tumor tissues such as kidney, liver, ovary and pancreas tumors.                                                                                                                                                                    |
| <b>Function</b>                    | Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation . LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways . Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby |



prevents inflammation . LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex . The LUBAC complex is also involved in innate immunity by conjugating linear polyubiquitin chains at the surface of bacteria invading the cytosol to form the ubiquitin coat

#### Background

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images