# LRSM1 Monoclonal Antibody

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| **Catalog No** | BYmab-05553 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse |
| **Applications** | WB |
| **Gene Name** | LRSAM1 TAL UNQ6496/PRO21356 |
| **Protein Name** | E3 ubiquitin-protein ligase LRSAM1 (EC 6.3.2.-) (Leucine-rich repeat and sterile alpha motif-containing protein 1) (Tsg101-associated ligase) (hTAL) |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | LRSM1 Monoclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 79kD |
| **Cell Pathway** | Cytoplasm . Displays a punctuate distribution and localizes to a submembranal ring (PubMed:15256501). Localizes to intracellular bacterial pathogens (PubMed:23245322). . |
| **Tissue Specificity** | Highly expressed in adult spinal cord motoneurons as well as in fetal spinal cord and muscle tissue. |
| **Function** | domain:The coiled coil domains interact with the SB domain of TSG101.,domain:The PTAP motifs mediate the binding to UEV domains.,function:E3 ubiquitin-protein ligase that mediates monoubiquitination of TSG101 at multiple sites, leading to inactivate the ability of TSG101 to sort endocytic (EGF receptors) and exocytic (HIV-1 viral proteins) cargos.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 5 LRR (leucine-rich) repeats.,subcellular location:Displays a punctuate distribution and localizes to a submembranal ring.,subunit:Interacts with TSG101., |

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| **Background** | This gene encodes a ring finger protein involved in a variety of functions, including regulation of signaling pathways and cell adhesion, mediation of self-ubiquitylation, and involvement in cargo sorting during receptor endocytosis. Mutations in this gene have been associated with Charcot-Marie-Tooth disease. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jan 2012], |
| **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