LRSM1 Monoclonal Antibody

Catalog No	YP-mAb-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 1:500-1:2000
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.,
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.

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