Anti-LRSM1 antibody

Description	Unconjugated Rabbit polyclonal to LRSM1

Model	STJ190784
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	90678
Gene Symbol	LRSAM1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LRSM1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Highly expressed in adult spinal cord motoneurons as well as in fetal spinal cord and muscle tissue.
Purification	LRSM1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase LRSAM1 Leucine-rich repeat and sterile alpha motif-containing protein 1 RING-type E3 ubiquitin transferase LRSAM1 Tsg101-associated ligase hTAL
Molecular Weight	79 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25135OMIM:610933
Alternative Names	E3 ubiquitin-protein ligase LRSAM1 Leucine-rich repeat and sterile alpha motif-containing protein 1 RING-type E3 ubiquitin transferase LRSAM1 Tsg101-associated ligase hTAL
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 . Bacterial recognition protein that defends the cytoplasm from invasive pathogens . Localizes to several intracellular bacterial pathogens and generates the bacteria-associated ubiquitin signal leading to autophagy-mediated intracellular bacteria degradation (xenophagy) .
Sequence and Domain Family	The coiled coil domains interact with the SB domain of TSG101. The PTAP motifs mediate the binding to UEV domains. The LRR domain is necessary and sufficient for localization to bacterial targets. The RING domain is required for ubiquitination.
Cellular Localization	Cytoplasm. Displays a punctuate distribution and localizes to a submembranal ring . Localizes to intracellular bacterial pathogens .
Post-translational Modifications	Ubiquitination promoted by PHF23 leads to proteasomal degradation.