

Rabbit LRSAM1 Polyclonal Antibody | anti-LRSAM1 antibody

LRSAM1 Antibody

CATALOG # AAA327970	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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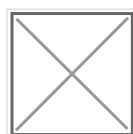
PRODUCT SYNONYMS

LRSAM1; Polyclonal Antibody; LRSAM1 Antibody; CMT2P; E3 ubiquitin protein ligase LRSAM1; E3 ubiquitin-protein ligase LRSAM1; EC 6.3.2.-; FLJ31641; hTAL; Leucine rich repeat and sterile alpha motif containing 1; Leucine rich repeat and sterile alpha motif containing protein 1; Leucine-rich repeat and sterile alpha motif containing protein 1; LRSM1_HUMAN; OTTHUMP00000022174; OTTHUMP00000022175; RIFLE; TAL; Tsg101 associated ligase; Tsg101-associated ligase; anti-LRSAM1 antibody

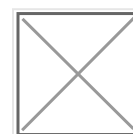
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LRSAM1 antibody detects endogenous levels of total LRSAM1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	723
Applicable Applications for anti-LRSAM1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human LRSAM1
Subcellular Location	Cytoplasm. Displays a punctuate distribution and localizes to a submembranal ring.
Tissue Specificity	Highly expressed in adult spinal cord motoneurons as well as in fetal spinal cord and muscle tissue.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Dog (91%), Chicken (90%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of LRSAM1 using HT29 whole cell lysates


WB (Western Blot)

Western blot analysis of extracts from rat muscle, using LRSAM1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LRSAM1 antibody	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 (PubMed:15256501). Bacterial recognition protein that defends the cytoplasm from invasive pathogens (PubMed:23245322). Localizes to several intracellular bacterial pathogens and generates the bacteria-associated ubiquitin signal leading to autophagy-mediated intracellular bacteria degradation (xenophagy) (PubMed:23245322, PubMed:25484098). Subunit Structure: Interacts with TSG101 (PubMed:17556548). Interacts with PHF23 (PubMed:25484098). Interacts with FUS (PubMed:27615052). Post-translational Modifications: Ubiquitination promoted by PHF23 leads to proteasomal degradation. Similarity: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53729361
NCBI GeneID	90678
NCBI Accession #	NP_001005373.1
NCBI GenBank Nucleotide #	NM_001005373.3
UniProt Accession #	Q6UWE0; Q5VVV0; Q8NB40; Q96GT5; Q96MX5; Q96MZ7
Molecular Weight	Observed: 84 kDa Predicted: 84 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase LRSAM1 isoform 1
NCBI Official Synonym Full Names	leucine rich repeat and sterile alpha motif containing 1
NCBI Official Symbol	LRSAM1
NCBI Official Synonym Symbols	TAL; CMT2P; RIFLE
NCBI Protein Information	E3 ubiquitin-protein ligase LRSAM1
UniProt Protein Name	E3 ubiquitin-protein ligase LRSAM1
UniProt Gene Name	LRSAM1
UniProt Synonym Gene Names	TAL1 PublicationManual assertion based on opinion iniRef.5; hTAL1 PublicationManual assertion based on opinion iniRef.5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.