




Product datasheet

Anti-LRSAM1 antibody ab224433

2 Images

Overview

Product name	Anti-LRSAM1 antibody
Description	Rabbit polyclonal to LRSAM1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant fragment corresponding to Human LRSAM1 aa 359-446. Sequence: LENERIRMEQLMSITQEETESLRRRDVASAMQQMLTESCK NRLIQMAYES QRQNLVQQACSSMAEMDERFQQILSWQQMDQNKAISQI Database link: Q6UWE0  Run BLAST with  Run BLAST with
Positive control	WB: LRSAM1 over-expression - HEK-293T whole cell lysate; IHC-P: Human cerebellum tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as</p>

customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224433** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 84 kDa.

Target

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.
Tissue specificity	Highly expressed in adult spinal cord motoneurons as well as in fetal spinal cord and muscle tissue.
Pathway	Protein modification; protein ubiquitination.
Involvement in disease	Charcot-Marie-Tooth disease 2P (CMT2P) [MIM:614436]: An axonal form of Charcot-Marie-Tooth disease, a disorder of the peripheral nervous system, characterized by progressive weakness and atrophy, initially of the peroneal muscles and later of the distal muscles of the arms. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathies (designated CMT1 when they are dominantly inherited) and primary peripheral axonal neuropathies (CMT2). Neuropathies of the CMT2 group are characterized by signs of axonal degeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. Nerve conduction velocities are normal or slightly reduced. Note=The disease is caused by mutations affecting the gene represented in this entry.

Sequence similarities

Contains 6 LRR (leucine-rich) repeats.
Contains 1 RING-type zinc finger.
Contains 1 SAM (sterile alpha motif) domain.

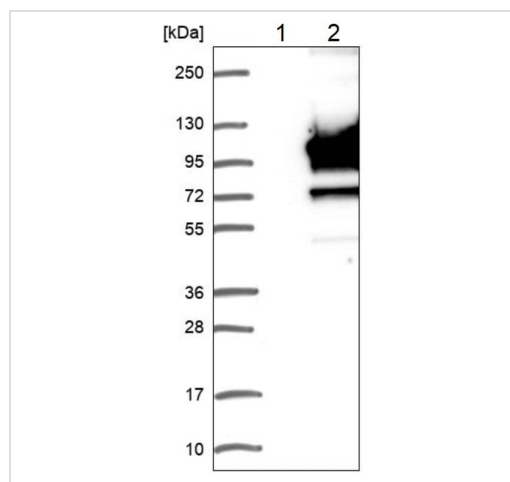
Domain

The coiled coil domains interact with the SB domain of TSG101.
The PTAP motifs mediate the binding to UEV domains.

Cellular localization

Cytoplasm. Displays a punctuate distribution and localizes to a submembranal ring.

Images



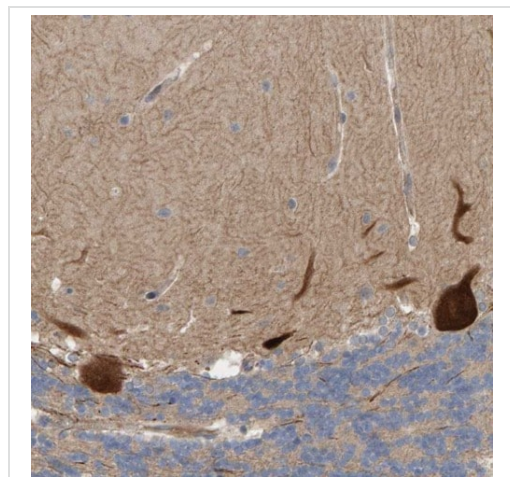
Western blot - Anti-LRSAM1 antibody (ab224433)

All lanes : Anti-LRSAM1 antibody (ab224433) at 0.4 $\mu\text{g/ml}$

Lane 1 : Control (vector only transfected) - HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : LRSAM1 over-expression - HEK-293T whole cell lysate, Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa)

Predicted band size: 84 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LRSAM1 antibody (ab224433)

Immunohistochemical analysis of human cerebellum tissue labeling LRSAM1 in the cytoplasm of Purkinje cells with ab224433 at 1/20 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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