abcam

Product datasheet

Anti-SUV3L1 antibody ab85598

1 Image

Overview

Product name	Anti-SUV3L1 antibody
Description	Rabbit polyclonal to SUV3L1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog, Pig
Immunogen	Synthetic peptide corresponding to a region within the internal sequence amino acids 72-121 of Human SUV3L1; QGPSADGDVGAELTRPLDKNEVKKVLDKFYKRKEIQKLG ADYGLDARLFH ; (NP_0031620) Run BLAST with Run BLAST with
Positive control	Fetal muscle lysate (Human)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 2% Sucrose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab85598 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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 88 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

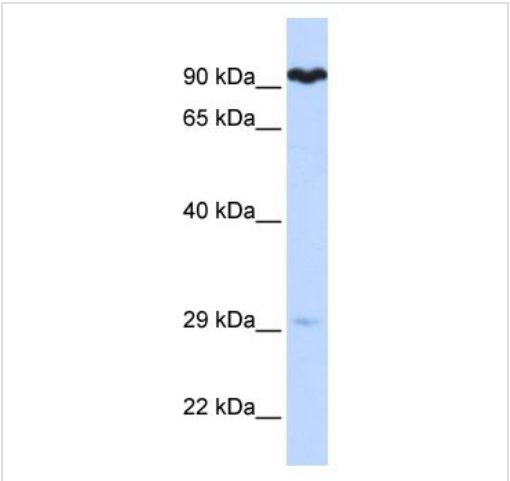
Function
Major helicase player in mitochondrial RNA metabolism. Component of the mitochondrial degradosome (mtEXO) complex, that degrades 3' overhang double-stranded RNA with a 3'-to-5' directionality in an ATP-dependent manner. ATPase and ATP-dependent multisubstrate helicase, able to unwind double-stranded (ds) DNA and RNA, and RNA/DNA heteroduplexes in the 5'-to-3' direction. Plays a role in the RNA surveillance system in mitochondria; regulates the stability of mature mRNAs, the removal of aberrantly formed mRNAs and the rapid degradation of non coding processing intermediates. Also implicated in recombination and chromatin maintenance pathways. May protect cells from apoptosis. Associates with mitochondrial DNA.

Tissue specificity
Broadly expressed.

Sequence similarities
Belongs to the helicase family.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

Cellular localization
Nucleus. Mitochondrion matrix. Mitochondrion matrix > mitochondrion nucleoid.

Images



Western blot - Anti-SUV3L1 antibody (ab85598)

Anti-SUV3L1 antibody (ab85598) at 1 µg/ml (in 5% skim milk / PBS buffer) + Fetal muscle lysate (Human) at 10 µg

Secondary
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 88 kDa
Observed band size: 95 kDa

Gel concentration: 12%

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors