




Product datasheet

Anti-RPS19 antibody ab40833

★ ★ ★ ★ ★ [2 Abreviews](#) [4 References](#) [1 Image](#)

Overview

Product name	Anti-RPS19 antibody
Description	Goat polyclonal to RPS19
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Cat, Dog, Chimpanzee, Rhesus monkey 
Immunogen	Synthetic peptide: with C- KMVEKDQDGGRK sequence from the internal region of Human RPS19.  Run BLAST with  Run BLAST with
Positive control	WB: K562 cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

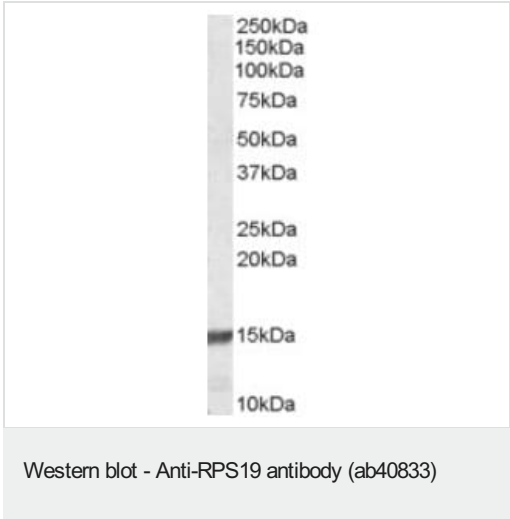
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab40833 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★ ★ ★ ★ ★ (2)	Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 15 kDa (predicted molecular weight: 16 kDa). 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Required for pre-rRNA processing and maturation of 40S ribosomal subunits.
Tissue specificity	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue.
Involvement in disease	Defects in RPS19 are the cause of Diamond-Blackfan anemia type 1 (DBA1) [MIM:105650]. DBA1 is a form of Diamond-Blackfan anemia, a congenital non-regenerative hypoplastic anemia that usually presents early in infancy. Diamond-Blackfan anemia is characterized by a moderate to severe macrocytic anemia, erythroblastopenia, and an increased risk of malignancy. 30 to 40% of Diamond-Blackfan anemia patients present with short stature and congenital anomalies, the most frequent being craniofacial (Pierre-Robin syndrome and cleft palate), thumb and urogenital anomalies.
Sequence similarities	Belongs to the ribosomal protein S19e family.
Cellular localization	Nucleus. Located more specifically in the nucleoli.

Images



Anti-RPS19 antibody (ab40833) at 0.1 µg/ml + K562 cell lysate in RIPA buffer at 35 µg

Predicted band size: 16 kDa
Observed band size: 15 kDa

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

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