


## Product datasheet

### Anti-RPS19 antibody [EPR10423] $\alpha$ b181365

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [5 Images](#)

#### Overview

Product name	Anti-RPS19 antibody [EPR10423]
Description	Rabbit monoclonal [EPR10423] to RPS19
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P, IP <b>Unsuitable for:</b> Flow Cyt or ICC/IF
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	K562, 293T, Caco-2 and HeLa cell lysates; Human colonic adenocarcinoma and testis tissues.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 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: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

**Clone number**                      EPR10423

**Isotype**                                IgG

## Applications

**The Abpromise guarantee**            Our **Abpromise guarantee** covers the use of ab181365 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	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 16 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/10 - 1/100.

**Application notes**                      Is unsuitable for Flow Cyt or ICC/IF.

## Target

**Function**                                      Required for pre-rRNA processing and maturation of 40S ribosomal subunits.

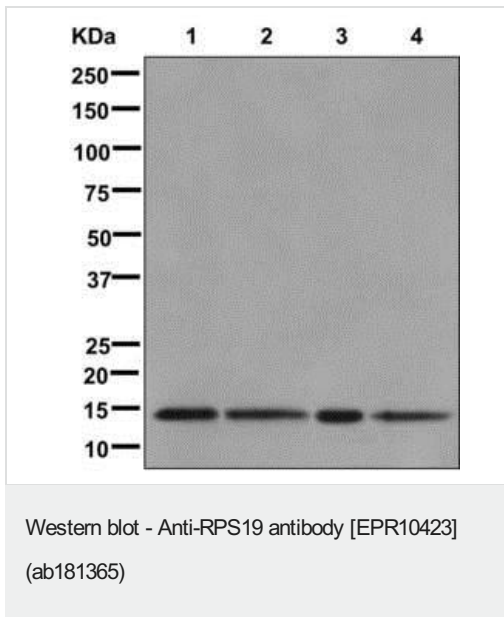
**Tissue specificity**                          Higher level expression is seen in the colon carcinoma tissue than normal colon tissue.

**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



**All lanes :** Anti-RPS19 antibody [EPR10423] (ab181365) at 1/1000 dilution

**Lane 1 :** K562 cell lysate

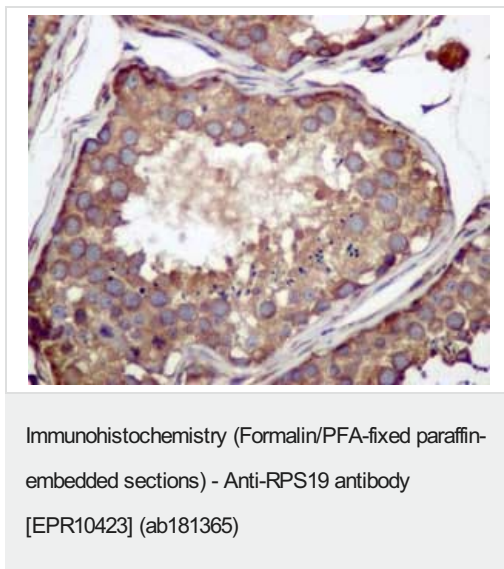
**Lane 2 :** 293T cell lysate

**Lane 3 :** Caco-2 cell lysate

**Lane 4 :** HeLa cell lysate

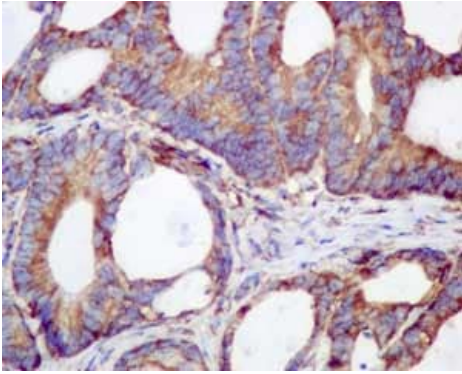
Lysates/proteins at 10 µg per lane.

**Predicted band size:** 16 kDa



Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling RPS19 with ab181365 at 1/100 dilution.

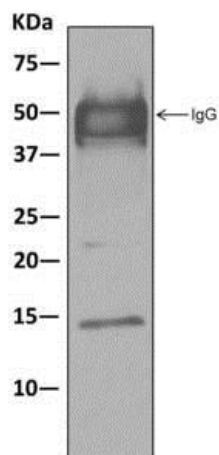
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPS19 antibody [EPR10423] (ab181365)

Immunohistochemical analysis of paraffin-embedded Human colonic adenocarcinoma tissue labeling RPS19 with ab181365 at 1/100 dilution.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-RPS19 antibody [EPR10423] (ab181365)

Western blot analysis on immunoprecipitation pellet from Caco-2 cell lysate immunoprecipitated using ab181365 at 1/10 dilution.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-RPS19 antibody [EPR10423] (ab181365)

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

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