abcam

Product datasheet

Anti-MRPL20 antibody [EPR12592] ab181058

Recombinant RabMAb

2 Images

Overview

Product name	Anti-MRPL20 antibody [EPR12592]
Description	Rabbit monoclonal [EPR12592] to MRPL20
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HUVEC, HeLa, C6, RAW 264.7, PC12 and NIH 3T3 cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12592
Isotype	IgG

Applications

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181058 in the following tested applications.

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

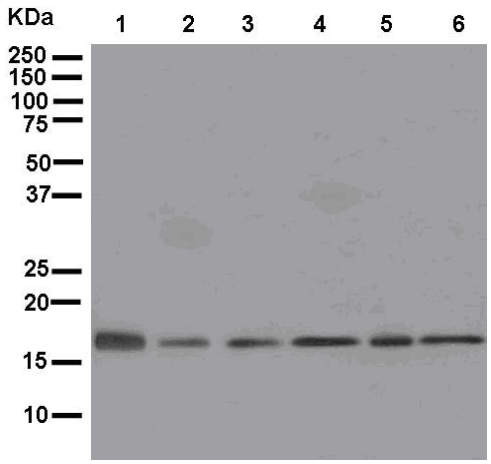
Application	Abreviews	Notes
WB		1/1000 - 1/2000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).

Target

Relevance MRPL20 is one of more than 70 protein components of mitochondrial ribosomes that are encoded by the nuclear genome. MRPL20 is a subunit of the 39S mitochondrial ribosome. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology.

Cellular localization Mitochondrial

Images



Western blot - Anti-MRPL20 antibody [EPR12592] (ab181058)

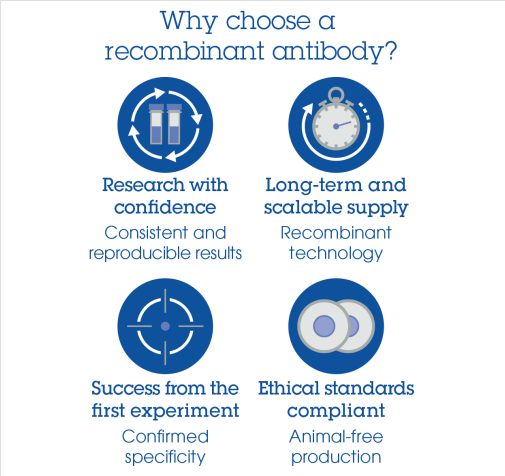
All lanes : Anti-MRPL20 antibody [EPR12592] (ab181058) at 1/1000 dilution

Lane 1 : HUVEC cell lysate
Lane 2 : HeLa cell lysate
Lane 3 : C6 cell lysate
Lane 4 : RAW 264.7 cell lysate
Lane 5 : PC12 cell lysate
Lane 6 : NIH 3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L) HRP at 1/1000 dilution

Predicted band size: 17 kDa



Anti-MRPL20 antibody [EPR12592] (ab181058)

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

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