abcam

Product datasheet

Anti-PMF-1 antibody [EPR17298] - BSA and Azide free ab251280

Recombinant RabMAb

5 Images

Overview

Product name	Anti-PMF-1 antibody [EPR17298] - BSA and Azide free
Description	Rabbit monoclonal [EPR17298] to PMF-1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
General notes	ab251280 is the carrier-free version of **ab199531**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR17298
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251280 in the following tested applications.

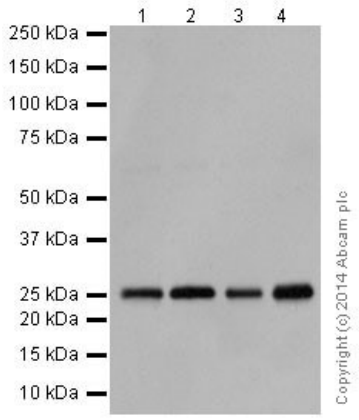
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 26 kDa (predicted molecular weight: 23 kDa).
IP		Use at an assay dependent concentration.

Target

Function	Part of the MIS12 complex which is required for normal chromosome alignment and segregation and kinetochore formation during mitosis. May act as a cotranscription partner of NFE2L2 involved in regulation of polyamine-induced transcription of SSAT.
Tissue specificity	Highest levels of expression in heart and skeletal muscle, with significant levels expressed in kidney and liver.
Cellular localization	Nucleus. Chromosome > centromere > kinetochore. Associated with the kinetochore.

Images



Western blot - Anti-PMF-1 antibody [EPR17298] - BSA and Azide free (ab251280)

All lanes : Anti-PMF-1 antibody [EPR17298] (**ab199531**) at 1/1000 dilution

Lane 1 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate
Lane 2 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate
Lane 3 : HEK-293 (Human epithelial cells from embryonic kidney) whole cell lysate
Lane 4 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

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

Developed using the ECL technique.

Predicted band size: 23 kDa
Observed band size: 26 kDa

Exposure time: 30 seconds

This data was developed using **ab199531**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Western blot - Anti-PMF-1 antibody [EPR17298] - BSA and Azide free (ab251280)

All lanes : Anti-PMF-1 antibody [EPR17298] (**ab199531**) at 1/5000 dilution

Lane 1 : Human fetal brain tissue lysate
Lane 2 : Human fetal kidney tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

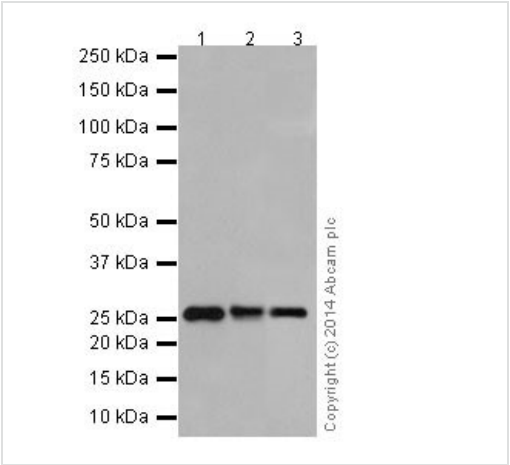
Developed using the ECL technique.

Predicted band size: 23 kDa
Observed band size: 26 kDa

Exposure time: 3 minutes

This data was developed using **ab199531**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PMF-1 antibody [EPR17298] - BSA and Azide free (ab251280)

All lanes : Anti-PMF-1 antibody [EPR17298] (**ab199531**) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cells) whole cell lysate
Lane 2 : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 3 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

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

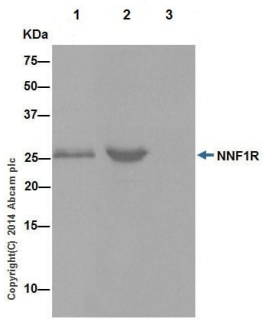
Developed using the ECL technique.

Predicted band size: 23 kDa
Observed band size: 26 kDa

Exposure time: 30 seconds

This data was developed using **ab199531**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-PMF-1 antibody [EPR17298] - BSA and Azide free (ab251280)

This data was developed using **ab199531**, the same antibody clone in a different buffer formulation.

PMF-1 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract with **ab179466** at 1/80 (or 5 µg). Western blot was performed using **ab199531** at 1/1000. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: HeLa whole cell extract at 10ug (input)

Lane 2: HeLa whole cell extract PMF-1 immunoprecipitate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab199531** in HeLa whole cell extract immunoprecipitation.

Blocking and dilution buffer: 5% NFDM/TBST.

Anti-PMF-1 antibody [EPR17298] - BSA and Azide free (ab251280)

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