abcam

Product datasheet

Anti-PRMT3 antibody [EPR13279] ab191562

Recombinant   RabMAb

7 References   5 Images

Overview

Product name	Anti-PRMT3 antibody [EPR13279]
Description	Rabbit monoclonal [EPR13279] to PRMT3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF, IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, HepG2, 293 and MCF7 cell lysates IHC: Human cervix carcinoma tissue ICC/IF: MCF7 cells
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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13279
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab191562 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		1/10000 - 1/50000. Detects a band of approximately 70 kDa (predicted molecular weight: 60 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/50.
IP		1/40.

Target

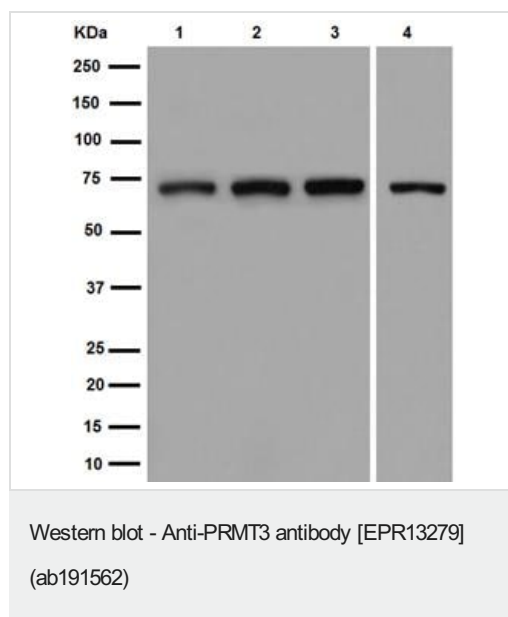|	
Function	Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.
Sequence similarities	Belongs to the protein arginine N-methyltransferase family. Contains 1 C2H2-type zinc finger.
Domain	The zinc-finger is responsible for substrate specificity.
Cellular localization	Cytoplasm.

Images

Western blot - Anti-PRMT3 antibody [EPR13279] (ab191562)

All lanes : Anti-PRMT3 antibody [EPR13279] (ab191562) at 1/10000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : 293 cell lysate

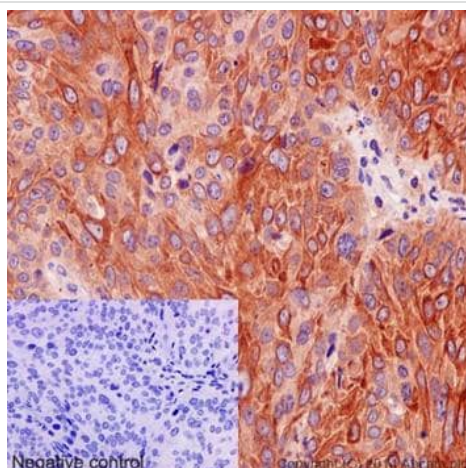**Lane 4 :** MCF7 cell lysate

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.
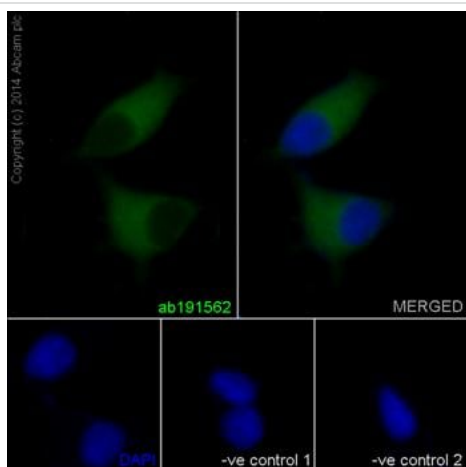
Predicted band size: 60 kDa

Observed band size: 70 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRMT3 antibody [EPR13279] (ab191562)
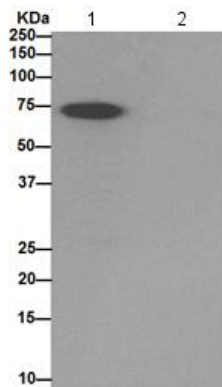
Immunohistochemical analysis of paraffin-embedded, human cervix carcinoma tissue labeling PRMT3 with ab191562 at a 1/100 dilution. Counter stained with hematoxylin. In the negative control PBS was used instead of primary antibody.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

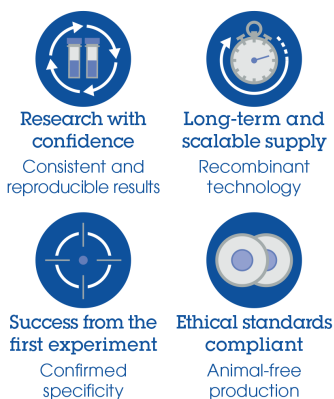Immunocytochemistry/ Immunofluorescence - Anti-PRMT3 antibody [EPR13279] (ab191562)

Immunofluorescence analysis of, paraformaldehyde-fixed, MCF7 cells labeling PRMT3 with ab191562 at a 1/50 dilution. As secondary antibody goat anti-rabbit IgG (Alexa Fluor® 488) **ab150077** was used at a 1/200 dilution. In blue DAPI staining. In the negative controls cells were treated with anti-PRMT3 at a 1/50 dilution as primary antibody and goat anti-mouse IgG (Alexa Fluor®594) at a 1/400 dilution as secondary antibody.

Western blot analysis on immunoprecipitation from 1) 293 cell lysate and 2) PBS, labeling PRMT3 using ab191562 at 1/40 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG at a 1/1500 dilution.

Immunoprecipitation - Anti-PRMT3 antibody [EPR13279] (ab191562)

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-PRMT3 antibody [EPR13279] (ab191562)

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

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