


Anti-PSMD9 antibody [EPR12947] - BSA and Azide free ab250563

Recombinant RabMAb

6 Images

Overview

Product name	Anti-PSMD9 antibody [EPR12947] - BSA and Azide free
Description	Rabbit monoclonal [EPR12947] to PSMD9 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB, Flow Cyt (Intra)
Species reactivity	<p>Reacts with: Human</p> <p>Predicted to work with: Mouse, Rat </p>
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250563 is the carrier-free version of ab181998.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12947
Isotype	IgG

Applications

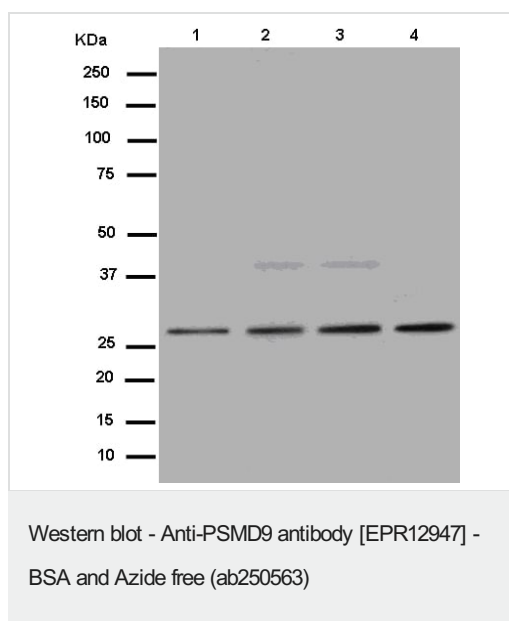
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250563 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 27 kDa (predicted molecular weight: 25 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.

Target

Function	Acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process.
Tissue specificity	Expressed in all tissues tested, highly expressed in liver and kidney.
Sequence similarities	Belongs to the proteasome subunit p27 family. Contains 1 PDZ (DHR) domain.

Images



All lanes : Anti-PSMD9 antibody [EPR12947] ([ab181998](#)) at 1/1000 dilution

Lane 1 : Human fetal liver tissue lysate

Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : 293 cell lysate

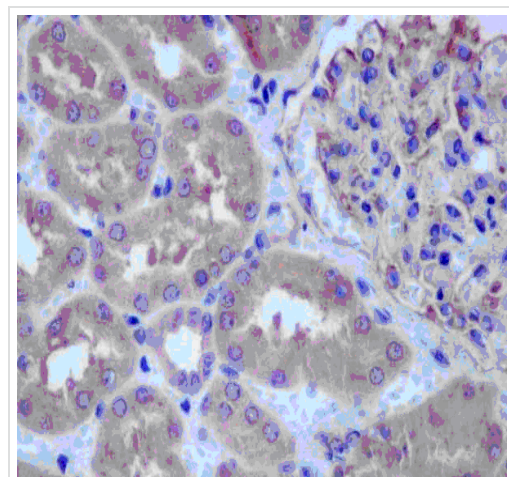
Lysates/proteins at 20 µg per lane.

Secondary

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

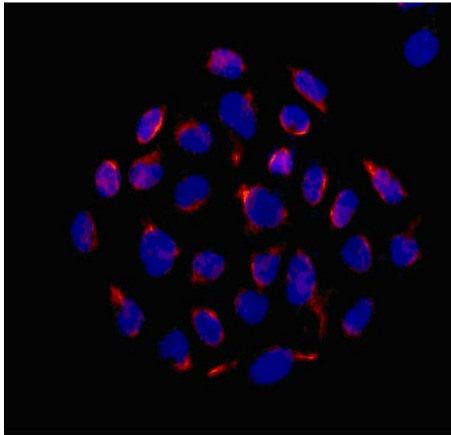
Predicted band size: 25 kDa

This data was developed using [ab181998](#), the same antibody clone in a different buffer formulation.



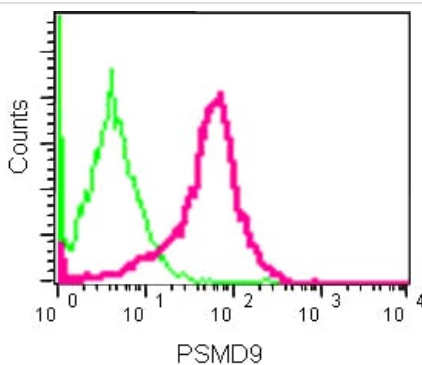
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMD9 antibody [EPR12947] - BSA and Azide free (ab250563)

This data was developed using [ab181998](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling PSMD9 with [ab181998](#) at 1/100 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PSMD9 antibody [EPR12947] - BSA and Azide free (ab250563)

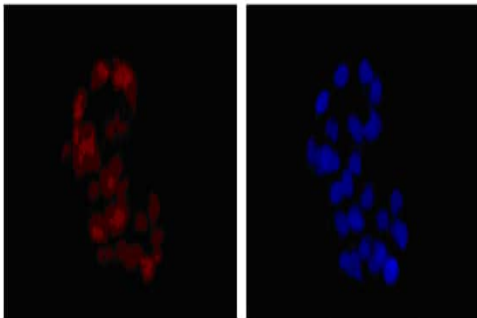
This data was developed using [**ab181998**](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HeLa cells (-20°C acetone-fixed) labeling PSMD9 with [**ab181998**](#) at 1/500 dilution followed by Goat anti rabbit IgG (Dylight 555) secondary and counter-stained with DAPI (blue).



Flow Cytometry (Intracellular) - Anti-PSMD9 antibody [EPR12947] - BSA and Azide free (ab250563)

This data was developed using [**ab181998**](#), the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of HeLa cells (paraformaldehyde-fixed, 2%) labeling PSMD9 with [**ab181998**](#) at 1/300 dilution (red) or a rabbit IgG (negative) (green), followed by secondary Goat anti-rabbit IgG (FITC) at 1/150 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-PSMD9 antibody [EPR12947] - BSA and Azide free (ab250563)

This data was developed using **ab181998**, the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HepG2 cells (paraformaldehyde-fixed, 4%) labeling PSMD9 with **ab181998** at 1/500 dilution. A Goat anti rabbit IgG(Alexa Fluor® 555) was used as secondary antibody. Counterstained with DAPI (blue).

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

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

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