


# Anti-PSMD14 antibody [EPR4258] - BSA and Azide free ab247774

Recombinant RabMAb

3 Images

### Overview

Product name	Anti-PSMD14 antibody [EPR4258] - BSA and Azide free
Description	Rabbit monoclonal [EPR4258] to PSMD14 - BSA and Azide free
Host species	Rabbit
Tested applications	<b>Suitable for:</b> IP, WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
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	WB: HepG2, A431, K562, Namalwa, HeLa, and MCF7 cell lysates. IP: K-562 cell lysate.
General notes	<p>ab247774 is the carrier-free version of <a href="#">ab109130</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"> <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</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR4258
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab247774 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

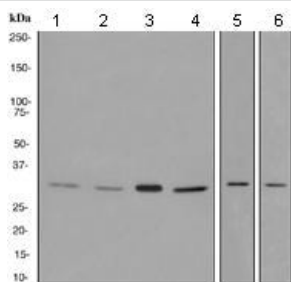
Application	Abreviews	Notes
<b>IP</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

<b>Function</b>	Metalloprotease component of the 26S proteasome that specifically cleaves 'Lys-63'-linked polyubiquitin chains. The 26S proteasome is involved in the ATP-dependent degradation of ubiquitinated proteins. The function of the 'Lys-63'-specific deubiquitination of the proteasome is unclear.
<b>Tissue specificity</b>	Widely expressed. Highest levels in heart and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the peptidase M67A family. PSMD14 subfamily. Contains 1 MPN (JAB/Mov34) domain.

## Images



Western blot - Anti-PSMD14 antibody [EPR4258] - BSA and Azide free (ab247774)

**All lanes :** Anti-PSMD14 antibody [EPR4258] (**ab109130**) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** A431 cell lysate

**Lane 3 :** K562 cell lysate

**Lane 4 :** Namalwa cell lysate

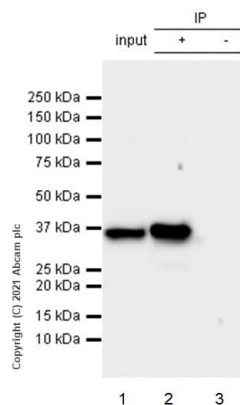
**Lane 5 :** HeLa cell lysate

**Lane 6 :** MCF7 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 35 kDa

This data was developed using **ab109130**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-PSMD14 antibody [EPR4258] - BSA and Azide free (ab247774)

This data was developed using **ab109130**, the same antibody clone in a different buffer formulation.

PSMD14 was immunoprecipitated from 0.35 mg K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10 µg with **ab109130** at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10 µg

Lane 2: abab109130 IP in K-562 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab109130** in K-562 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

### 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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