


Product datasheet

Anti-PSMB4 antibody [EPR9397] ab137087

Recombinant **RabMAb**

[1 References](#) [4 Images](#)

Overview

Product name	Anti-PSMB4 antibody [EPR9397]
Description	Rabbit monoclonal [EPR9397] to PSMB4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human PSMB4 aa 200-300. The exact sequence is proprietary. Database link: P28070
Positive control	293T, HeLa and HepG2 cell lysates; Human kidney tissue; HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR9397
Isotype IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab137087 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 - 1/10000. Predicted molecular weight: 29 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/50 - 1/100.

Application notes Is unsuitable for Flow Cyt or IP.

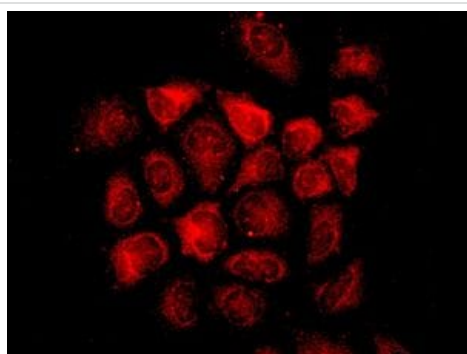
Target

Function The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. Mediates the lipopolysaccharide-induced signal macrophage proteasome (By similarity). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1.

Sequence similarities Belongs to the peptidase T1B family.

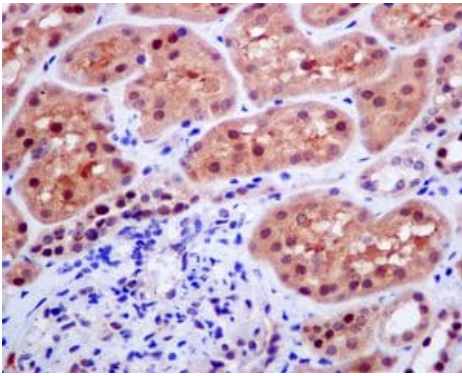
Cellular localization Cytoplasm. Nucleus.

Images



Immunofluorescent analysis of HeLa cells labelling PSMB4 with ab137087 at 1/50 dilution.

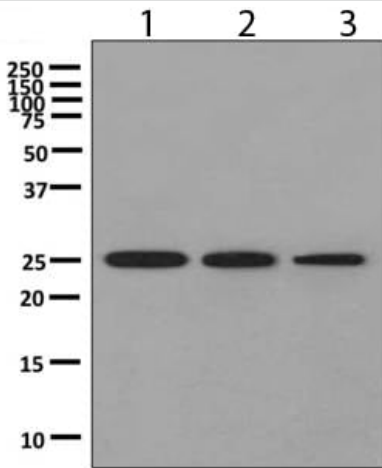
Immunocytochemistry/ Immunofluorescence - Anti-PSMB4 antibody [EPR9397] (ab137087)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMB4 antibody [EPR9397] (ab137087)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling PSMB4 with ab137087 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-PSMB4 antibody [EPR9397] (ab137087)

All lanes : Anti-PSMB4 antibody [EPR9397] (ab137087) at 1/1000 dilution

Lane 1 : 293T cell lysates

Lane 2 : HeLa cell lysates

Lane 3 : HepG2 cell lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : goat anti-rabbit HRP at 1/200 dilution

Predicted band size: 29 kDa

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-PSMB4 antibody [EPR9397] (ab137087)

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

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