

Product datasheet

Anti-Proteasome Activator Subunit 4/PSME4 antibody ab235038

[3 Images](#)

Overview

Product name	Anti-Proteasome Activator Subunit 4/PSME4 antibody
Description	Rabbit polyclonal to Proteasome Activator Subunit 4/PSME4
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Immunogen	Recombinant fragment corresponding to Human Proteasome Activator Subunit 4/PSME4 aa 105-198. Database link: Q14997
Positive control	IHC-P: Human heart tissue and prostate cancer tissues. WB: K562 cell lysate
General notes	This product was previously labelled as Proteasome Activator Subunit 4

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: 7.40 Preservative: 0.03% Proclin Constituents: PBS, 50% Glycerol
Purity	Protein G purified
Purification notes	Purity >95%.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab235038** in the following tested applications.

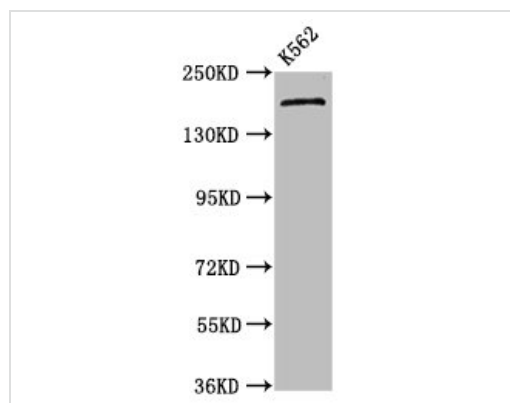
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/500 - 1/1000.
WB		Use a concentration of 4.5 µg/ml. Predicted molecular weight: 211 kDa.

Target

Function	Activates proteasomal cleavage of peptides in an energy-independent manner. May be involved in spermatogenesis. May be involved in DNA repair.
Sequence similarities	Contains 6 HEAT repeats.
Cellular localization	Nucleus. Nucleus speckle. Found in nuclear foci following treatment with ionizing radiation, but not with ultraviolet irradiation or H(2).

Images



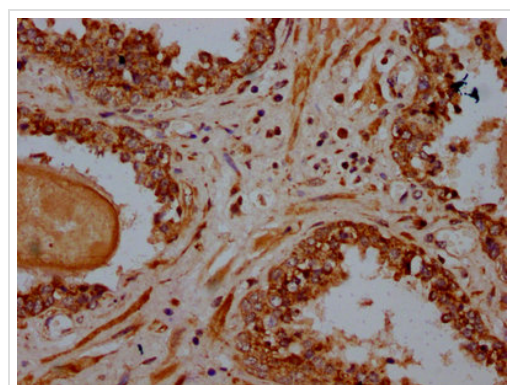
Western blot - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab235038)

Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab235038) at 4.5 µg/ml + K562 cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

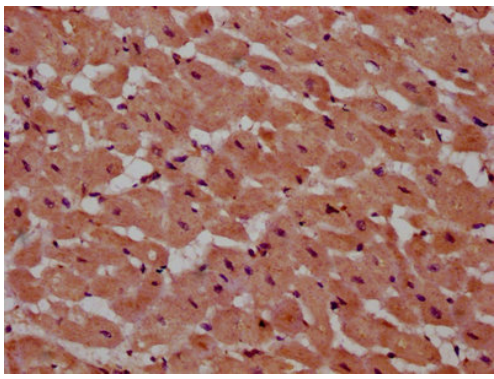
Predicted band size: 211 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab235038)

Paraffin-embedded human prostate cancer tissue stained for Proteasome Activator Subunit 4/PSME4 using ab235038 at 1/600 dilution in immunohistochemical analysis.

After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum for 30 minutes at room temperature. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab235038)

Paraffin-embedded human heart tissue stained for Proteasome Activator Subunit 4/PSME4 using ab235038 at 1/600 dilution in immunohistochemical analysis.

After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum for 30 minutes at room temperature. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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

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