abcam

Product datasheet

Anti-Proteasome Activator Subunit 4/PSME4 antibody ab5620

3 References 3 图像

概述

产品名称	Anti-Proteasome活化剂Subunit 4/PSME4抗体
描述	兔多克隆抗体to Proteasome活化剂Subunit 4/PSME4
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, WB
种属反应性	**与反应:** Mouse, Human **预测可用于:** Zebrafish
免疫原	Synthetic peptide corresponding to Human Proteasome Activator Subunit 4/PSME4 aa 1620-1634. Sequence: TKLPKKRKRDPGSVG Run BLAST with Run BLAST with
阳性对照	WB: Hela, Jurkat whole cell lysate, Mouse testis tissue lysate. ICC: HeLa cells.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide
纯度	Whole antiserum
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab5620于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/600.
WB		1/250 - 1/5000. Detects a band of approximately 200 kDa.

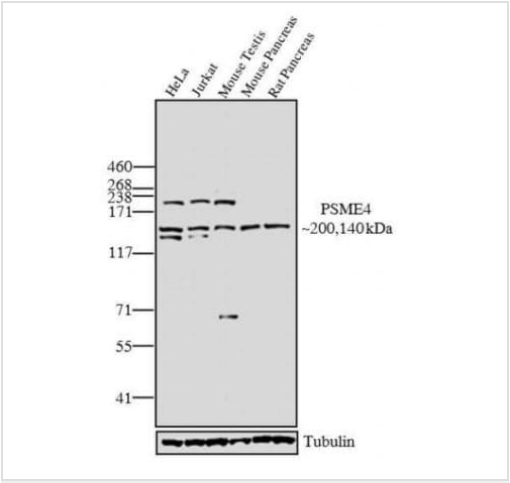
靶标

功能 Activates proteasomal cleavage of peptides in an energy-independent manner. May be involved in spermatogenesis. May be involved in DNA repair.

序列相似性 Contains 6 HEAT repeats.

细胞定位 Nucleus. Nucleus speckle. Found in nuclear foci following treatment with ionizing radiation, but not with ultraviolet irradiation or H(2).

图片



Western blot - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab5620)

All lanes : Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab5620) at 1/250 dilution

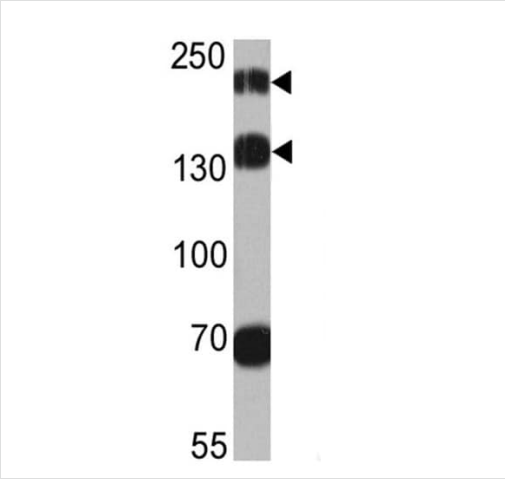
Lane 1 : HeLa whole cell extract
Lane 2 : Jurkat whole cell extract
Lane 3 : Mouse testis tissue extract
Lane 4 : Mouse pancreas tissue extract
Lane 5 : Rat pancreas tissue extract

Lysates/proteins at 30 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L) HRP conjugate at 1/4000 dilution

A 200 kDa band corresponding to PSME4 was observed in HeLa, Jurkat, and mouse testis. In addition, a 140 kDa band corresponding to an isoform of PSME4 was observed across the cell lines and tissues tested.

Blocking - 5% skimmed milk



Western blot - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab5620)

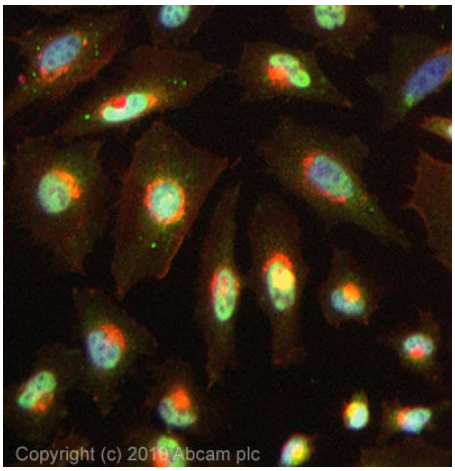
Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab5620) at 1/2000 dilution + Mouse testis tissue lysate at 25 µg

Secondary

HRP-conjugated anti-rabbit

Developed using the ECL technique.

Observed band size: 160,200 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Proteasome Activator Subunit 4/PSME4 antibody (ab5620)

ICC/IF image of ab5620 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1% BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab5620, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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