abcam

Product datasheet

Anti-Proteasome 20S C2/HC2 antibody ab3325

★★★★★ 2 Abreviews 31 References 4 图像

概述

产品名称	Anti-Proteasome 20S C2/HC2抗体
描述	**兔多克隆抗体**to Proteasome 20S C2/HC2
宿主	Rabbit
特异性	Detects proteasome 20S C2/HC2 subunit.
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Hamster, Dog, Human, Chinese hamster **预测可用于:** Chicken, Cow, Cynomolgus monkey
免疫原	Synthetic peptide corresponding to Human Proteasome 20S C2/HC2 aa 249-263 (C terminal). Sequence: PADEPAEKADEPMEH Database link: **P25786** (Peptide available as **ab4943**) Run BLAST with Run BLAST with
阳性对照	WB: MDA-MB-231, MCF7, PC-3, HepG2 and Jurkat whole cell lysate, CHO whole cell lysate. ICC/IF: MDA-MB-231 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	Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified

克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab3325于以下的经测试应用**

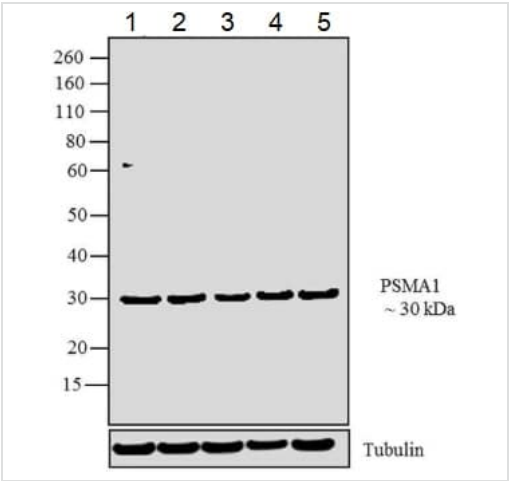
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 1 - 3 µg/ml.
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★☆ (1)	Use a concentration of 2 µg/ml.

靶标

功能	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 transduction in the macrophage proteasome (By similarity). Might be involved in the anti-inflammatory response of macrophages during the interaction with C.albicans heat-inactivated cells.
序列相似性	Belongs to the peptidase T1A family.
细胞定位	Cytoplasm. Nucleus.

图片



Western blot - Anti-Proteasome 20S C2/HC2 antibody (ab3325)

All lanes : Anti-Proteasome 20S C2/HC2 antibody (ab3325) at 2 µg/ml

Lane 1 : MDA-MB-231 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 2 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 3 : PC-3 (Human prostate adenocarcinoma cell line) whole cell lysate
Lane 4 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate
Lane 5 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

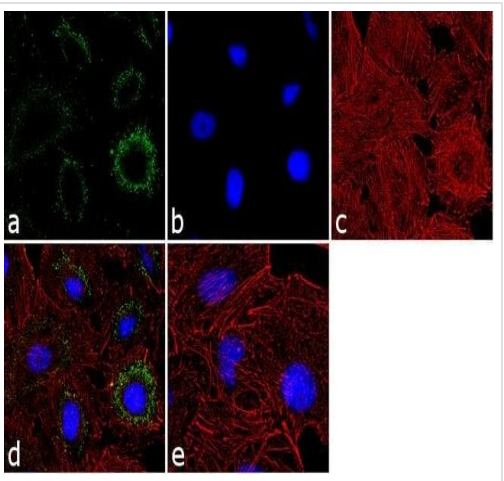
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG (H+L) HRP cpnjugate at 0.4 µg/ml

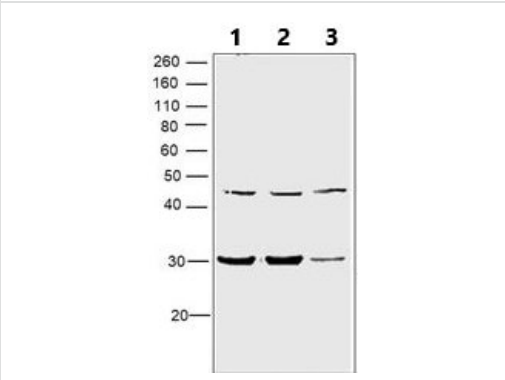
Developed using the ECL technique.

Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel, XCell SureLock™ Electrophoresis System and Novex® Sharp Pre-Stained Protein Standard. Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System. The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate.



Immunocytochemistry/ Immunofluorescence - Anti-Proteasome 20S C2/HC2 antibody (ab3325)

Immunofluorescence analysis of 70% confluent log phase MDA-MB-231 (Human breast adenocarcinoma cell line) cells labeling Proteasome 20S C2/HC2 (green) with ab3325 at 2 µg/mL. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with ab3325 in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) secondary antibody, Alexa Fluor® 488 conjugate at 1/2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin. Panel d represents the merged image showing cytoplasmic localization. Panel e shows the control without primary antibody. The images were captured at 60X magnification.



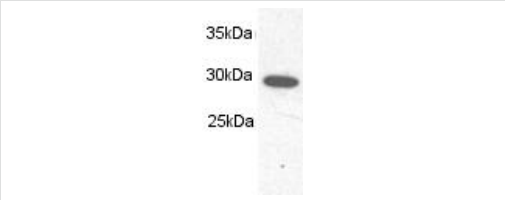
Western blot - Anti-Proteasome 20S C2/HC2 antibody (ab3325)

All lanes : Anti-Proteasome 20S C2/HC2 antibody (ab3325) at 2 µg/ml

Lane 1 : Untransfected Hep G2 whole cell extract.
Lane 2 : Proteasome 20S C2/HC2 non-targeting scrambled siRNA transfected Hep G2 whole cell extract.
Lane 3 : Proteasome 20S C2/HC2 knockdown Hep G2 whole cell extract.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP at 1/4000 dilution

Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-Proteasome 20S C2/HC2 antibody (ab3325)

Anti-Proteasome 20S C2/HC2 antibody (ab3325) at 3 µg/ml + CHO (Chinese hamster ovary cell line) whole cell lysate

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