




Anti-Proteasome 20S C2/HC2 antibody ab3325

★★★★★ [2 Abreviews](#) [31 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Proteasome 20S C2/HC2 antibody
製品の詳細	Rabbit polyclonal to Proteasome 20S C2/HC2
由来種	Rabbit
特異性	Detects proteasome 20S C2/HC2 subunit.
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Hamster, Dog, Human, Chinese hamster 交差が予測される動物種: Chicken, Cow, Cynomolgus monkey 
免疫原	Synthetic peptide corresponding to Human Proteasome 20S C2/HC2 aa 249-263 (C terminal). Sequence: PADEPAEKADPEMEH Database link: P25786 (Peptide available as ab4943) <div>  Run BLAST with  Run BLAST with </div>
ポジティブ・コントロール	WB: MDA-MB-231, MCF7, PC-3, HepG2 and Jurkat whole cell lysate, CHO whole cell lysate. ICC/IF: MDA-MB-231 cells.
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified

ポリクローナル
IgG

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab3325の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
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.

機能	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.
配列類似性	Belongs to the peptidase T1A family.
細胞内局在	Cytoplasm. Nucleus.

Western blot analysis of PSMA1 and Tubulin in C2/Hc2 cells. The blot shows five lanes labeled 1 to 5 at the top. On the left, molecular weight markers are indicated in kDa: 260, 160, 110, 80, 60, 50, 40, 30, 20, and 15. The top panel shows a band for PSMA1 at approximately 30 kDa, with a label 'PSMA1 ~ 30 kDa' to the right. The bottom panel shows a band for Tubulin, with a label 'Tubulin' to the right. Lanes 1 and 2 show a faint band at approximately 60 kDa. Lanes 3, 4, and 5 show a strong band at approximately 30 kDa.

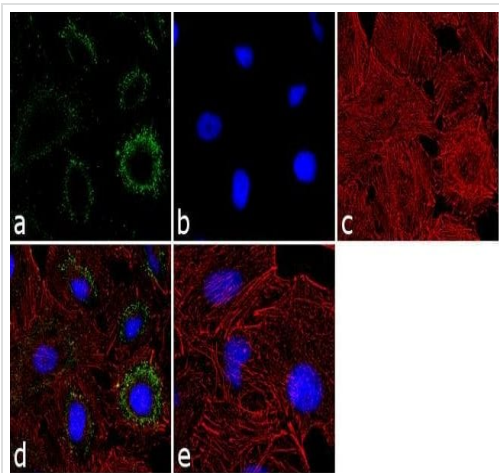
Lysates/proteins at 30 µg per lane.

Secondary

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

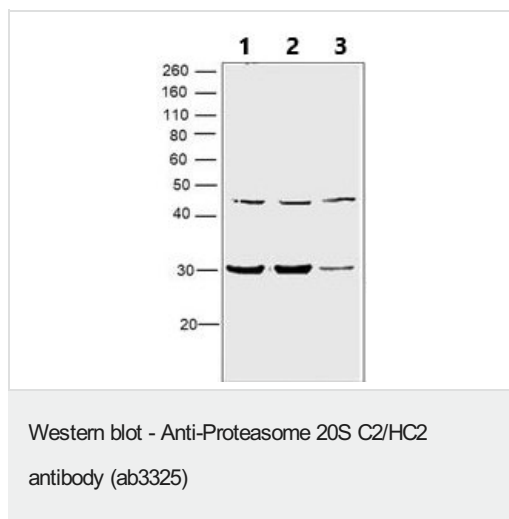
Developed using the ECL technique.

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.



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

Lane 1 : Untransfected Hep G2 whole cell extract.

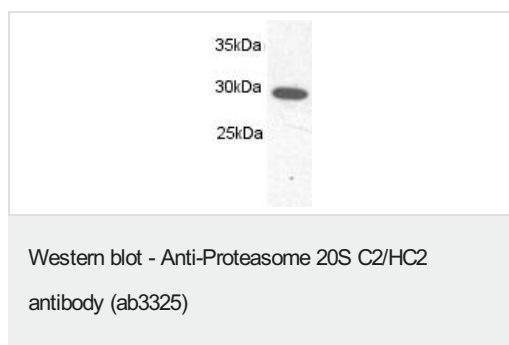
Lane 2 : Proteasome 20S C2/HC2 non-targeting scrambled siRNA transfected Hep G2 whole cell extract.

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.



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

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