

## Product datasheet

# Anti-Proteasome 20S LMP7 antibody ab58094

★★★★★ 1 Abreviews 2 References 画像数 3

### 製品の概要

|          |   |
|----------|---|
| 製品名      | Anti-Proteasome 20S LMP7 antibody   |
| 製品の詳細    | Mouse monoclonal to Proteasome 20S LMP7   |
| 由来種      | Mouse   |
| アプリケーション | 適用あり: WB, IHC-P, ICC/IF   |
| 種交差性     | 交差種: Human  |
| 免疫原      | Recombinant fragment corresponding to Human Proteasome 20S LMP7 aa 173-273.<br>Sequence:<br>DKKGPGLYYVDEHGTRLSGNMFSTGSGNTYAYGVMDSGYRPNLSPEEAYD<br>LGRRAIAYATHRDSYSGGVVNMVHMKEDGWVKVESTDVSDLLHQYREANQ<br><br>Database link: <a href="#">P28062</a> |

[Run BLAST with](#)

[Run BLAST with](#)

### 製品の特性

|        |   |
|--------|---|
| 製品の状態  | Liquid  |
| 保存方法   | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| バッファー  | Preservative: None<br>PBS, pH 7.2   |
| 精製度    | Protein G purified  |
| ポリ/モノ  | モノクローナル   |
| アイソタイプ | IgG2a   |
| 軽鎖の種類  | kappa   |

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58094** in the following tested applications.

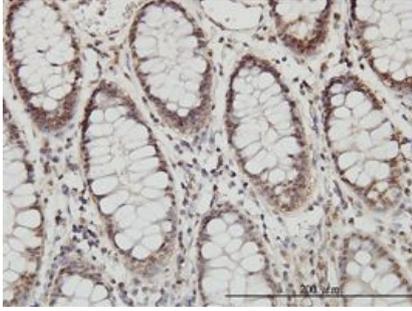
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項                                |
|----------|-----------|-------------------------------------|
| WB       | ★★★★★     | Use a concentration of 1 - 5 µg/ml. |
| IHC-P    |           | Use a concentration of 3 µg/ml.     |
| ICC/IF   |           | Use a concentration of 10 µg/ml.    |

## ターゲット情報

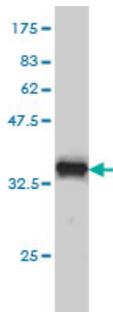
|              |   |
|--------------|---|
| <b>機能</b>    | The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB5 by PSMB8 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Acts as a major component of interferon gamma-induced sensitivity. Plays a key role in apoptosis via the degradation of the apoptotic inhibitor MCL1. May be involved in the inflammatory response pathway. In cancer cells, substitution of isoform 1 (E2) by isoform 2 (E1) results in immunoproteasome deficiency. |
| <b>関連疾患</b>  | Defects in PSMB8 are the cause of JMP syndrome (JMPS) [MIM:613732]; also called joint contractures muscular atrophy microcytic anemia and panniculitis-induced lipodystrophy. JBTS1 is an autoinflammatory disorder characterized by childhood onset of joint stiffness and severe contractures of the hands and feet, erythematous skin lesions with subsequent development of severe lipodystrophy, and laboratory evidence of immune dysregulation. Accompanying features include muscle weakness and atrophy, hepatosplenomegaly, and microcytic anemia.  |
| <b>配列類似性</b> | Belongs to the peptidase T1B family.  |
| <b>発生段階</b>  | Highly expressed in immature dendritic cells (at protein level).  |
| <b>翻訳後修飾</b> | Autocleaved. The resulting N-terminal Thr residue of the mature subunit is responsible for the nucleophile proteolytic activity.  |
| <b>細胞内局在</b> | Cytoplasm. Nucleus.   |

## 画像



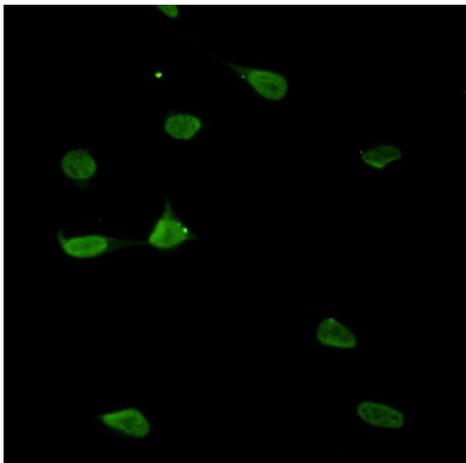
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Proteasome 20S LMP7 antibody (ab58094)

Proteasome 20S LMP7 antibody (ab58094) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human colon.



Western blot - Anti-Proteasome 20S LMP7 antibody (ab58094)

Western blot against tagged recombinant protein immunogen using ab58094  
Proteasome 20S LMP7 antibody at 1ug/ml.  
Predicted band size of immunogen is 37 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Proteasome 20S LMP7 antibody (ab58094)

ab58094 at 10 ug/ml staining Proteasome 20S LMP7 in human Hella cells by Immunocytochemistry/ Immunofluorescence.

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