

### Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free ab272394

KO 評価済 リコンビナント RabMAb

画像数 5

#### 製品の概要

製品名	Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23021-61] to Ly-6K - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, WB, IP <b>適用なし:</b> Flow Cyt or ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa cell lysate; Human testis tissue lysate. IHC-P: Human testis tissue. IP: Human testis tissue lysate.
特記事項	<p>ab272394 is the carrier-free version of <a href="#">ab246486</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23021-61
アイソタイプ	IgG

## アプリケーション

**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ab272394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検討ください。

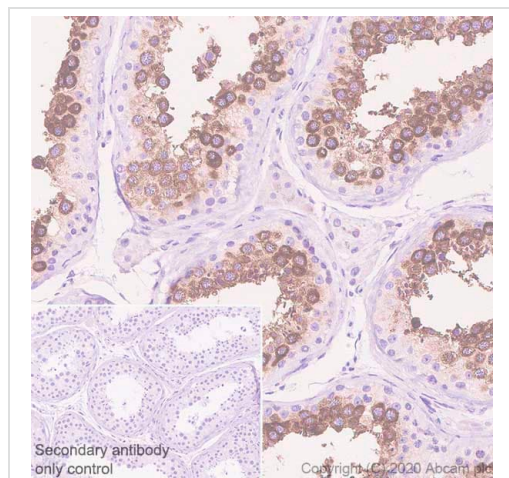
アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 24 kDa (predicted molecular weight: 19 kDa).
IP		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for Flow Cyt or ICC/IF.

## ターゲット情報

関連性	The Lymphocyte Antigen 6 Complex is a 15 kDa phosphatidyl inositol anchored molecule, attached to the cell membrane by a GPI-anchor. The Lymphocyte Antigen 6 Complex is present on most immature T cells of the thymus, on lymphoid cells in bone marrow and peripheral B cells, but absent on peripheral T cells.
細胞内局在	Cell Membrane

## 画像



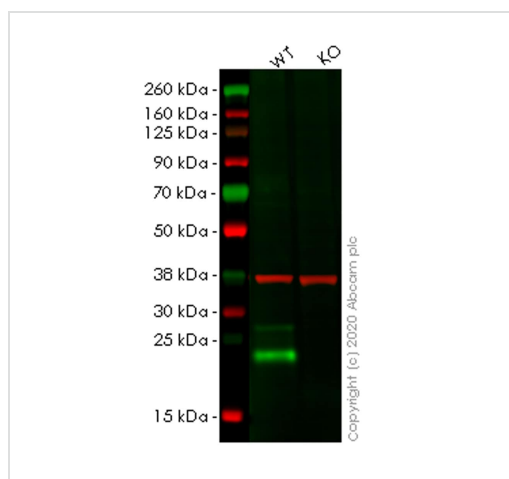
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free (ab272394)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling Ly-6K with **ab246486** at 1/2000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining in spermatocytes of human testis (PMID:18089789). The section was incubated with **ab246486** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup> RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab246486**).



Western blot - Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free (ab272394)

**All lanes :** Anti-Ly-6K antibody [EPR23021-61] (**ab246486**) at 1/1000 dilution

**Lane 1 :** Wild-type HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2 :** LY6K knockout HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat anti-Rabbit IgG H&L (IRDye<sup>®</sup> 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

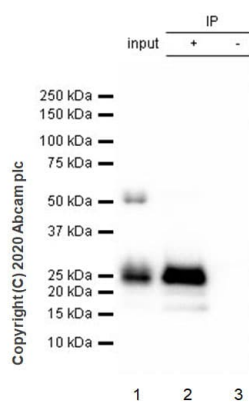
**Predicted band size:** 19 kDa

**Observed band size:** 24 kDa

This data was developed using 246486, the same antibody clone in a different buffer formulation.

**Lanes 1-2:** Merged signal (red and green). Green - **ab246486** observed at 24 kDa. Red - loading control **ab8245** observed at 36 kDa.

**ab246486** Anti-Ly-6K antibody [EPR23021-61] was shown to specifically react with Ly-6K in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265874** (knockout cell lysate **ab263248**) was used. Wild-type and Ly-6K knockout samples were subjected to SDS-PAGE. **ab246486** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-Ly-6K antibody  
[EPR23021-61] - BSA and Azide free (**ab272394**)

Ly-6K was immunoprecipitated from 0.35 mg Human testis tissue lysate with **ab246486** at 1/30 dilution (2ug in 0.35mg lysates).

Western blot was performed on the immunoprecipitate using **ab246486** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/1000 dilution.

Lane 1: Human testis tissue lysate 10 ug

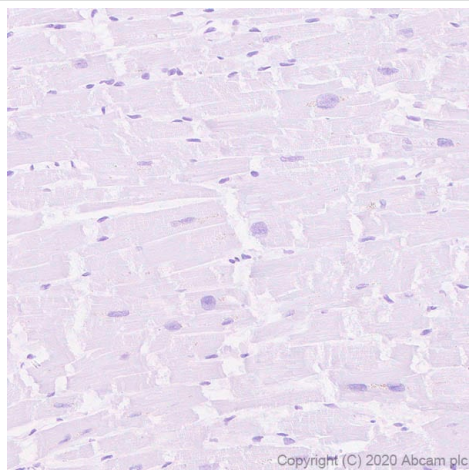
Lane 2: **ab246486** IP in Human testis tissue lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab246486** in human testis tissue lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab246486**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free (ab272394)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling Ly-6K with **ab246486** at 1/2000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Negative control: No staining in human heart (PMID:18089789). The section was incubated with **ab246486** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup> RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab246486**).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Ly-6K antibody [EPR23021-61] - BSA and Azide free (ab272394)

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

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