

### Anti-Histone H2A.Z antibody [EPR6172] - ChIP Grade ab124793

リコンビナント **RabMAb**

★★★★★ **5 Abreviews** 画像数 4

#### 製品の概要

製品名	Anti-Histone H2A.Z antibody [EPR6172] - ChIP Grade
製品の詳細	Rabbit monoclonal [EPR6172] to Histone H2A.Z - ChIP Grade
由来種	Rabbit
特異性	This antibody is known to detect both isoforms of H2A.Z (H2A.Z.1 and H2A.Z.2).
アプリケーション	<b>適用あり:</b> ChIP-sequencing, WB, IHC-P <b>適用なし:</b> Flow Cyt, ICC/IF or IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: C6, Raw 264.7, PC-12, NIH/3T3, HeLa, HepG2, and Human thymus lysates; IHC-P: Human breast tissue; ChIP-seq: Chromatin from HeLa cells.
特記事項	<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 monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名                      EPR6172  
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ab124793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
ChIP-sequencing		Use 4µg for 10 <sup>7</sup> cells.
WB	★★★★★ (5)	1/1000 - 1/10000. Predicted molecular weight: 14 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. antigen retrieval is recommended.

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

#### ターゲット情報

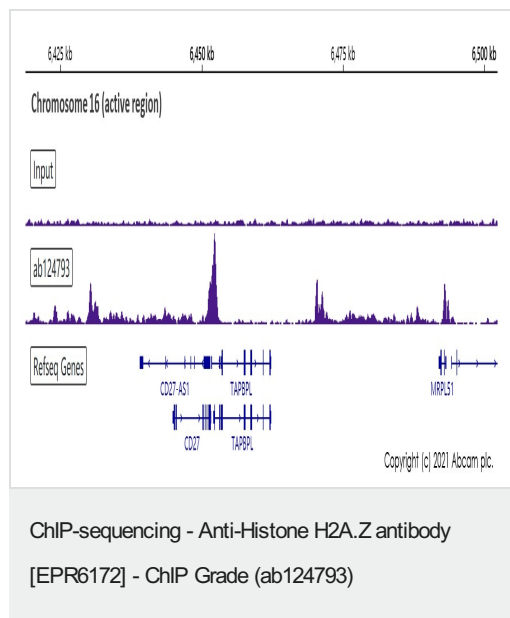
**機能**    Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division.

**配列類似性**                                      Belongs to the histone H2A family.

**翻訳後修飾**                                      Monoubiquitination of Lys-122 gives a specific tag for epigenetic transcriptional repression. Acetylated on Lys-5, Lys-8 and Lys-12 during interphase. Acetylation disappears at mitosis. Monomethylated on Lys-5 and Lys-8 by SETD6. SETD6 predominantly methylates Lys-8, lys-5 being a possible secondary site.  
Not phosphorylated.

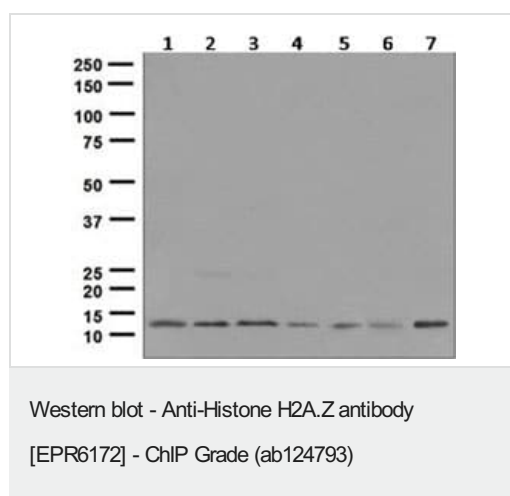
**細胞内局在**                                      Nucleus. Chromosome.

#### 画像



Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with  $10^7$  HeLa cells and 4  $\mu$ g of ab124793 [EPR6172]. ChIP DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 30 million reads.

Additional screenshots of mapped reads can be downloaded [here](#).



**All lanes** : Anti-Histone H2A.Z antibody [EPR6172] - ChIP Grade (ab124793) at 1/1000 dilution

**Lane 1** : C6 lysates

**Lane 2** : Raw 264.7 lysates

**Lane 3** : PC-12 lysates

**Lane 4** : NIH/3T3 lysates

**Lane 5** : HeLa lysates

**Lane 6** : HepG2 lysates

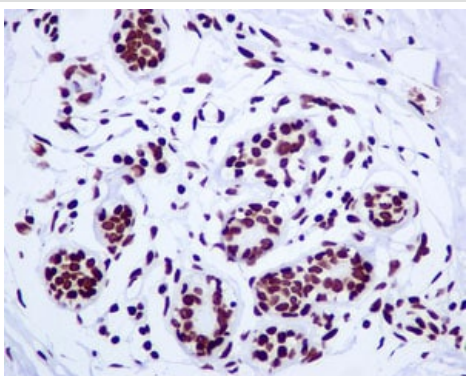
**Lane 7** : Human thymus lysates

Lysates/proteins at 10  $\mu$ g per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 14 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2A.Z antibody [EPR6172] - ChIP Grade (ab124793)

ab124793, at a 1/250 dilution, staining Histone H2A.Z in paraffin embedded Human breast tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

#### 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-Histone H2A.Z antibody [EPR6172] - ChIP Grade (ab124793)

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

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