

### Anti-HMGA2 antibody ab97276

★★★★★ [3 Abreviews](#) [45 References](#) [14 图像](#)

#### 概述

产品名称	Anti-HMGA2抗体
描述	兔多克隆抗体to HMGA2
宿主	Rabbit
经测试应用	适用于: IHC-P, IP, WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human HMGA2 aa 1-93 (N terminal). Database link: <a href="#">P52926</a>
阳性对照	WB: MOLT-4, HepG2, HCT116, HeLa, A431, NIH/3T3, Raw264.7, C2C12, PC-12, Rat2 whole cell lysate. IP: HepG2 cells. ICC/IF: MCF7, HeLa cells. IHC-P: Rat brain, rat duodenum, human HuCCT1 xenograft, C2C12 xenograft.
常规说明	<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&amp;As</p>

#### 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	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
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ab97276于以下的经测试应用

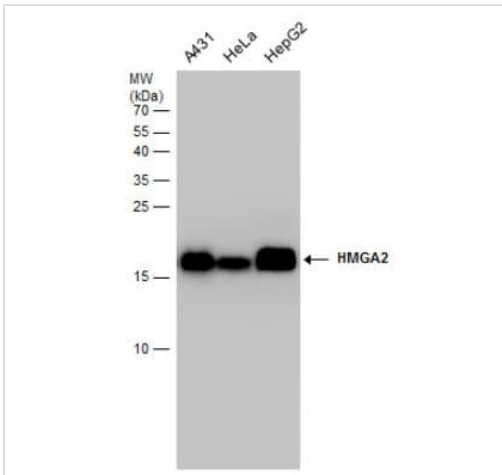
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/1000.
IP		1/100 - 1/500.
WB	★★★★★ (2)	1/500 - 1/50000. Predicted molecular weight: 12 kDa.
ICC/IF		Use a concentration of 1 µg/ml.

## 靶标

<b>功能</b>	Functions as a transcriptional regulator. Functions in cell cycle regulation through CCNA2.
<b>疾病相关</b>	<p>Note=A chromosomal aberration involving HMGA2 is associated with a subclass of benign mesenchymal tumors known as lipomas. Translocation t(3;12)(q27-q28;q13-q15) with LPP is shown in lipomas. HMGA2 is also fused with a number of other genes in lipomas.</p> <p>Note=A chromosomal aberration involving HMGA2 is associated with pulmonary chondroid hamartomas. Translocation t(3;12)(q27-q28;q14-q15) with LPP is detected in pulmonary chondroid hamartomas.</p> <p>Note=A chromosomal aberration involving HMGA2 is associated with parosteal lipomas. Translocation t(3;12)(q28;q14) with LPP is also shown in one parosteal lipoma.</p> <p>Note=A chromosomal aberration involving HMGA2 is found in uterine leiomyoma. Translocation t(12;14)(q15;q23-24) with RAD51L1. Chromosomal rearrangements involving HMGA2 do not seem to be the principle pathobiological mechanism in uterine leiomyoma.</p>
<b>序列相似性</b>	<p>Belongs to the HMGA family.</p> <p>Contains 3 A.T hook DNA-binding domains.</p>
<b>发展阶段</b>	Expressed predominantly during embryogenesis.
<b>翻译后修饰</b>	Regulated by cell cycle-dependent phosphorylation which alters its DNA binding affinity.
<b>细胞定位</b>	Nucleus.

## 图片



Western blot - Anti-HMGA2 antibody (ab97276)

**All lanes :** Anti-HMGA2 antibody (ab97276) at 1/10000 dilution

**Lane 1 :** A431 whole cell extract

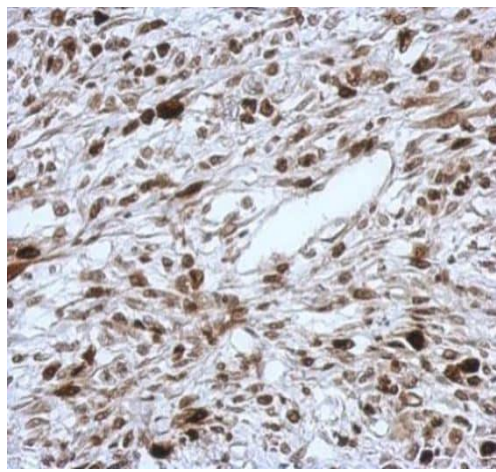
**Lane 2 :** HeLa whole cell extract

**Lane 3 :** HepG2 whole cell extract

Lysates/proteins at 30 µg per lane.

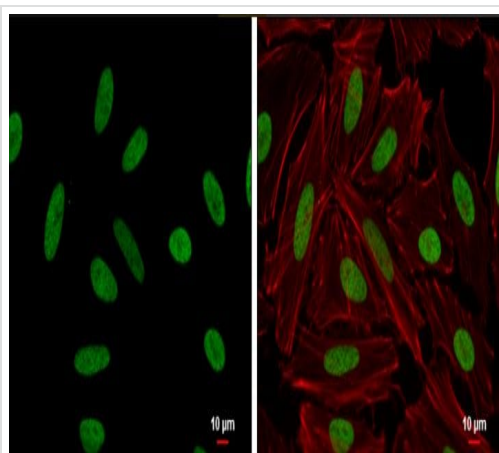
**Predicted band size:** 12 kDa

15% SDS-PAGE



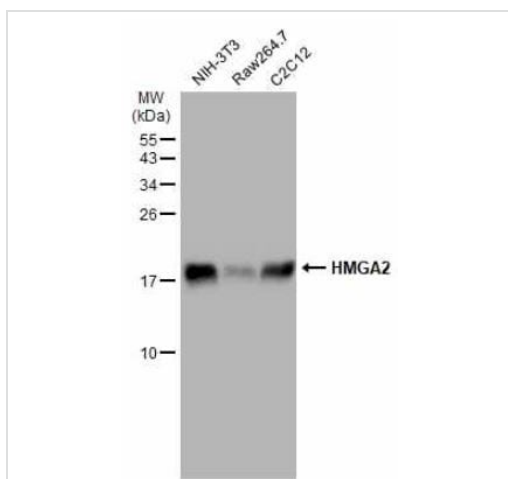
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGA2 antibody (ab97276)

Paraffin embedded C2C12 xenograft tissue stained for HMGA2 using ab97276 at 1/500 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-HMGA2 antibody (ab97276)

HeLa cells stained for HMGA2 (green) using ab97276 at 1/500 dilution in ICC/IF.



Western blot - Anti-HMGA2 antibody (ab97276)

**All lanes** : Anti-HMGA2 antibody (ab97276) at 1/1000 dilution

**Lane 1** : NIH/3T3 whole cell extract

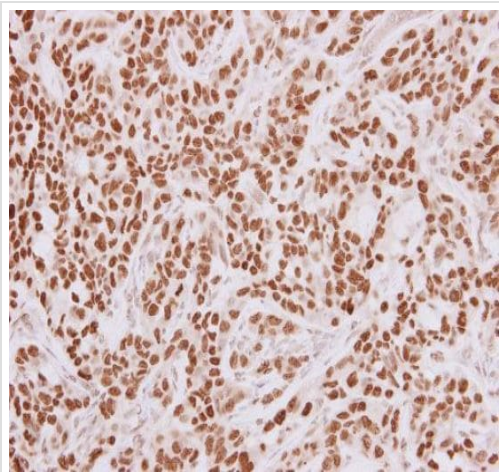
**Lane 2** : Raw264.7 whole cell extract

**Lane 3** : C2C12 whole cell extract

Lysates/proteins at 30  $\mu$ g per lane.

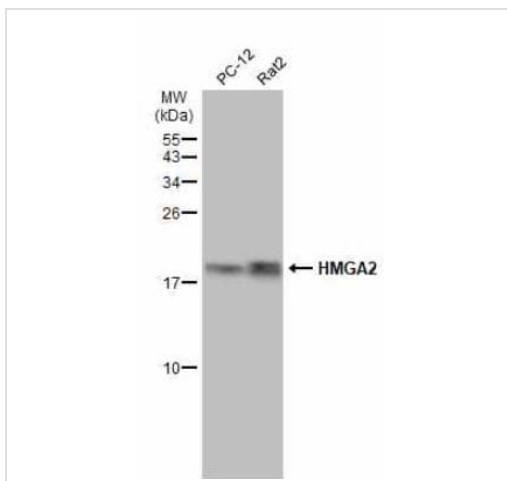
**Predicted band size:** 12 kDa

15% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGA2 antibody (ab97276)

Paraffin embedded human HuCCT1 xenograft tissue stained for HMGA2 using ab97276 at 1/250 dilution in immunohistochemical analysis.



Western blot - Anti-HMGA2 antibody (ab97276)

**All lanes :** Anti-HMGA2 antibody (ab97276) at 1/1000 dilution

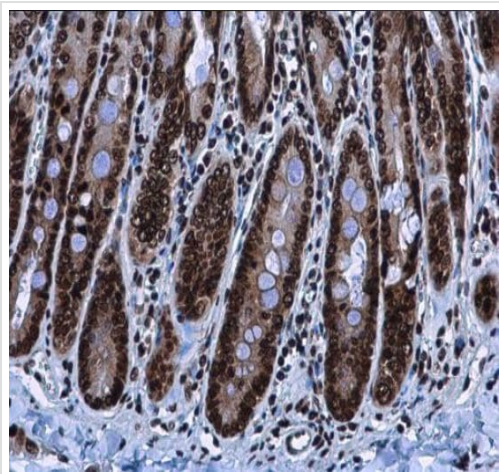
**Lane 1 :** PC-12 whole cell extract

**Lane 2 :** Rat2 whole cell extract

Lysates/proteins at 30 µg per lane.

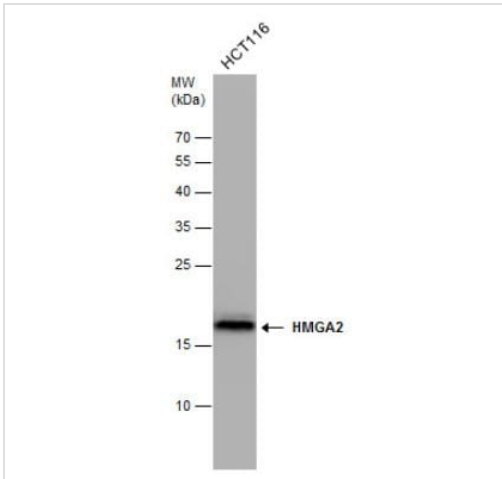
**Predicted band size:** 12 kDa

15% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGA2 antibody (ab97276)

Paraffin embedded rat duodenum tissue stained for HMGA2 using ab97276 at 1/500 dilution in immunohistochemical analysis.

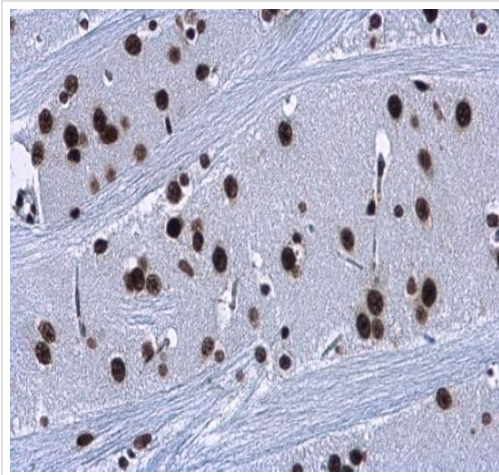


Western blot - Anti-HMGA2 antibody (ab97276)

Anti-HMGA2 antibody (ab97276) at 1/10000 dilution + HCT116 whole cell extract at 30  $\mu$ g

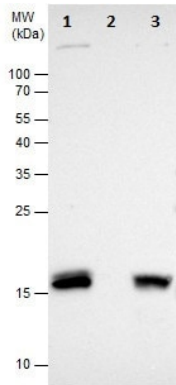
**Predicted band size:** 12 kDa

15% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGA2 antibody (ab97276)

Paraffin embedded rat brain tissue stained for HMGA2 using ab97276 at 1/500 dilution in immunohistochemical analysis.



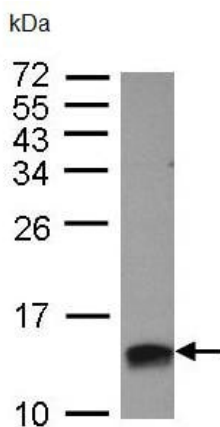
Immunoprecipitation - Anti-HMGA2 antibody (ab97276)

Immunoprecipitation of HMGA2 protein from HepG2 nuclear extracts using 5 µg of HMGA2 antibody. Western blot analysis was performed using HMGA2 antibody at 1/500 dilution. EasyBlot anti-Rabbit IgG was used as a secondary reagent.

Lane 1: Input

Lane 2: Immunoprecipitation using control IgG

Lane 3: Immunoprecipitation using 5 µg ab97276

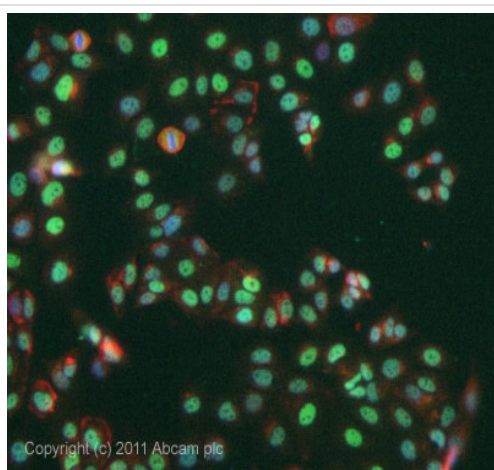


Western blot - Anti-HMGA2 antibody (ab97276)

Anti-HMGA2 antibody (ab97276) at 1/1000 dilution + MOLT-4 whole cell lysate at 30 µg

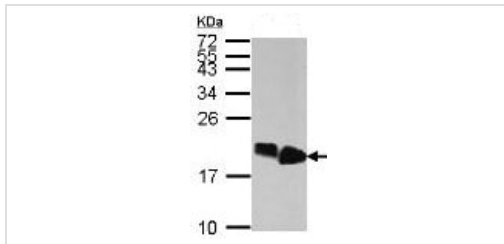
**Predicted band size:** 12 kDa

15% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-HMGA2 antibody (ab97276)

ICC/IF image of ab97276 stained MCF7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab97276, 1 µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.



Western blot - Anti-HMGA2 antibody (ab97276)

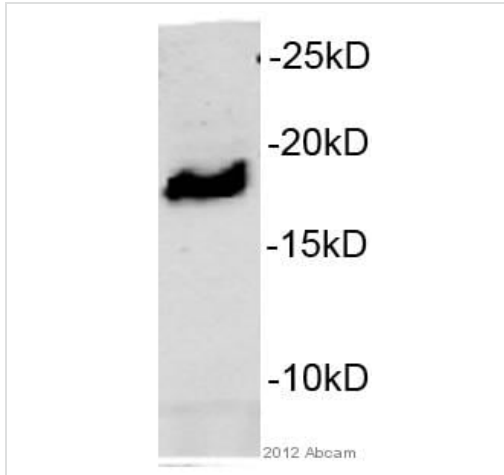
**All lanes :** Anti-HMGA2 antibody (ab97276) at 1/10000 dilution

**Lane 1 :** HepG2

**Lane 2 :** HCT116

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 12 kDa



Western blot - Anti-HMGA2 antibody (ab97276)

This image is courtesy of an anonymous abreview.

Anti-HMGA2 antibody (ab97276) at 1/1000 dilution + HeLa whole cell lysate at 25 µg

**Secondary**

Goat anti rabbit secondary IRDye 800CW at 1/1000 dilution

**Predicted band size:** 12 kDa

**Observed band size:** 18 kDa

**Exposure time:** 10 minutes

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors