

Anti-HMG4 antibody [EP2839Y] ab75782

重组 RabMAb

7 References **8 图像**

概述

产品名称	Anti-HMG4抗体[EP2839Y]
描述	兔单克隆抗体[EP2839Y] to HMG4
宿主	Rabbit
经测试应用	适用于: IP, ICC/IF, Flow Cyt (Intra), WB, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human bladder, Human placenta, Mouse brain, Mouse bladder, Rat brain, Rat bladder, Rat placenta and HeLa lysates. IHC-P: Human placenta, Mouse liver, and Rat liver tissues. ICC/IF: 293T cells. Flow Cyt (intra): HeLa cells. IP: HeLa whole cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EP2839Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab75782于以下的经测试应用

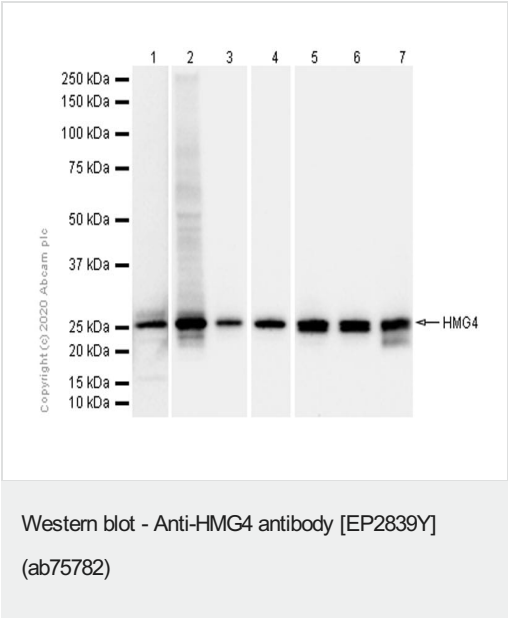
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		1/20.
ICC/IF		1/250.
Flow Cyt (Intra)		1/20.
WB		1/1000. Detects a band of approximately 25 kDa (predicted molecular weight: 23 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

靶标

功能	Binds preferentially single-stranded DNA and unwinds double stranded DNA.
组织特异性	Expressed predominantly in placenta.
序列相似性	Belongs to the HMGB family. Contains 2 HMG box DNA-binding domains.
细胞定位	Nucleus. Chromosome.

图片



All lanes : Anti-HMG4 antibody [EP2839Y] (ab75782) at 1/1000 dilution (Purified)

- Lane 1 :** Human bladder lysate
- Lane 2 :** Human placenta lysate
- Lane 3 :** Mouse brain lysate
- Lane 4 :** Mouse bladder lysate
- Lane 5 :** Rat brain lysate
- Lane 6 :** Rat bladder lysate
- Lane 7 :** Rat placenta lysate

Lysates/proteins at 20 µg per lane.

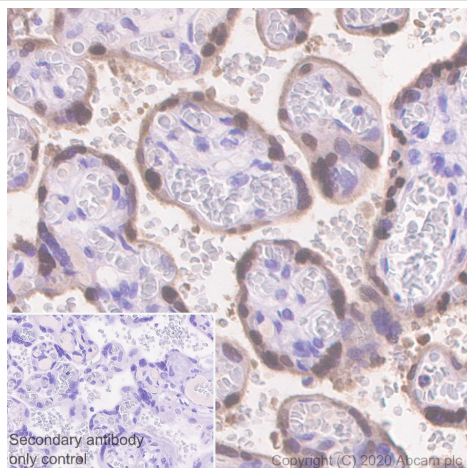
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 23 kDa

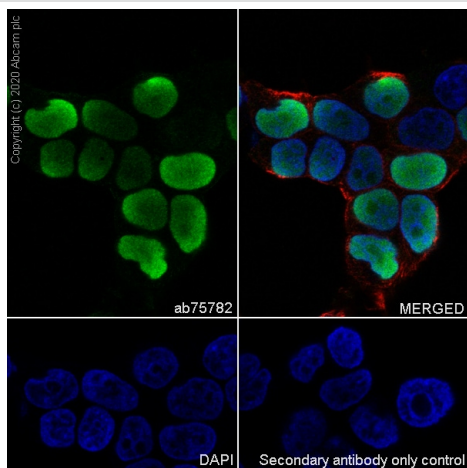
Observed band size: 25 kDa

Blocking buffer: 5% NFDM/TBST



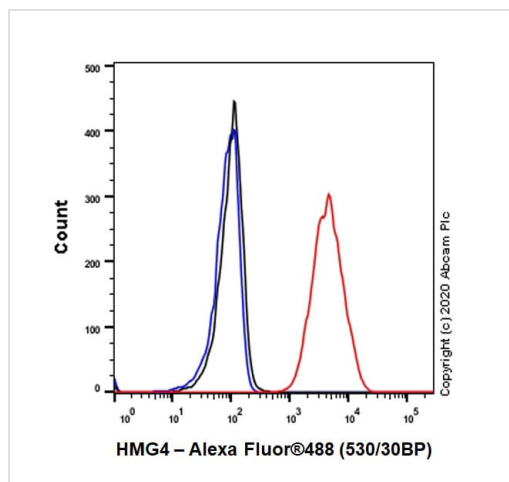
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMG4 antibody [EP2839Y] (ab75782)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human placenta tissue sections labeling HMG4 with Purified ab75782 at 1/100 dilution (1.13 µg/ml). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



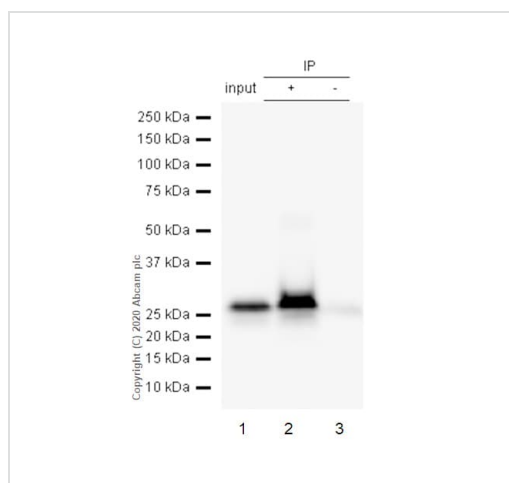
Immunocytochemistry/ Immunofluorescence - Anti-HMG4 antibody [EP2839Y] (ab75782)

Immunocytochemistry analysis of 293T (Human embryonic kidney epithelial cell) cells labeling HMG4 with Purified ab75782 at 1/250 dilution (0.452 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-HMG4 antibody
[EP2839Y] (ab75782)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling HMG4 with Purified ab75782 at 1/20 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-HMG4 antibody
[EP2839Y] (ab75782)

Purified ab75782 at 1/20 dilution (0.5µg) immunoprecipitating HMG4 in HeLa whole cell lysate.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg

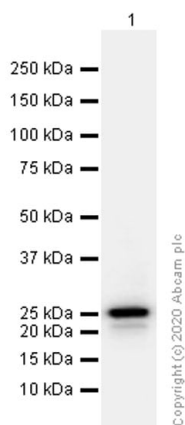
Lane 2: ab75782 + HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab75782 in HeLa whole cell lysate.

VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDM/TBST.

Observed band size: 25 kDa



Western blot - Anti-HMG4 antibody [EP2839Y] (ab75782)

Anti-HMG4 antibody [EP2839Y] (ab75782) at 1/5000 dilution (Purified) + HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate at 15 µg

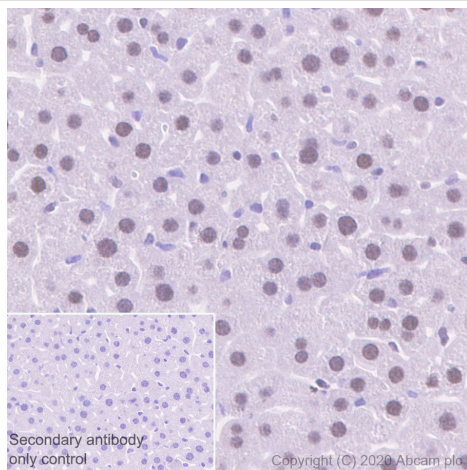
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 23 kDa

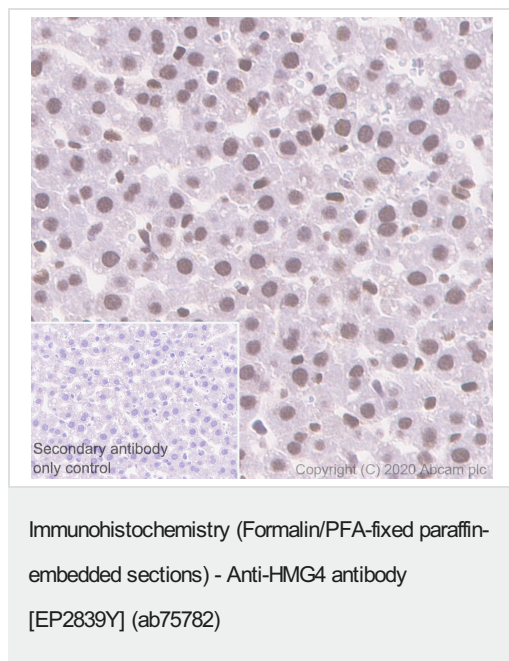
Observed band size: 25 kDa

Blocking buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMG4 antibody [EP2839Y] (ab75782)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue sections labeling HMG4 with Purified ab75782 at 1/100 dilution (1.13 µg/ml). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue sections labeling HMG4 with Purified ab75782 at 1/100 dilution (1.13 µg/ml). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

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