




Anti-HP1 alpha antibody ab77256

★★★★★ [12 Abreviews](#) [38 References](#) [3 图像](#)

概述

产品名称	Anti-HP1 alpha抗体
描述	山羊多克隆抗体to HP1 alpha
宿主	Goat
经测试应用	适用于: ICC/IF, Flow Cyt, WB
种属反应性	与反应: Human 预测可用于: Rat, Cow, Dog, Rhesus monkey, Chinese hamster 
免疫原	Synthetic peptide: C-NKRKSNFSNSADDIK , corresponding to internal sequence amino acids 88-102 of Human HP1 alpha (NP_036249.1).  Run BLAST with  Run BLAST with
阳性对照	WB: A43N, K562 cell lysates. ICC/IF: U-2 OS cells. Flow Cyt: HeLa cells.
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&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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab77256 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab77256于以下的经测试应用

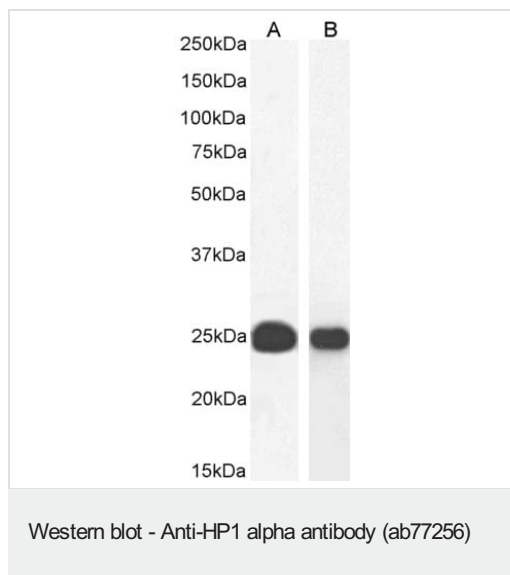
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (4)	Use a concentration of 10 µg/ml.
Flow Cyt		Use a concentration of 10 µg/ml.
WB	★★★★☆ (5)	Use a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa). Primary incubation 1 hour at room temperature recommended for this product.

靶标

功能	Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when 'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.
序列相似性	Contains 2 chromo domains.
翻译后修饰	Phosphorylation of HP1 and LBR may be responsible for some of the alterations in chromatin organization and nuclear structure which occur at various times during the cell cycle (By similarity). Phosphorylated during interphase and possibly hyper-phosphorylated during mitosis. Ubiquitinated.
细胞定位	Nucleus. Chromosome. Chromosome > centromere. Component of centromeric and pericentromeric heterochromatin. Associates with chromosomes during mitosis. Associates specifically with chromatin during metaphase and anaphase.

图片



All lanes : Anti-HP1 alpha antibody (ab77256) at 0.03 µg/ml

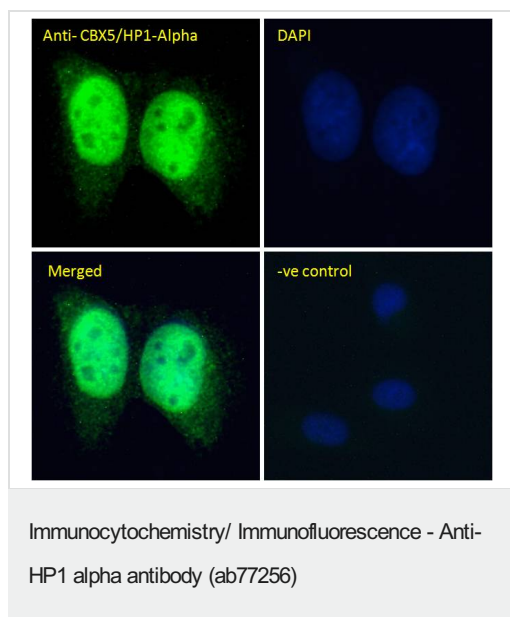
Lane 1 : A43N cell lysate

Lane 2 : K562 cell lysate

Lysates/proteins at 35 µg per lane.

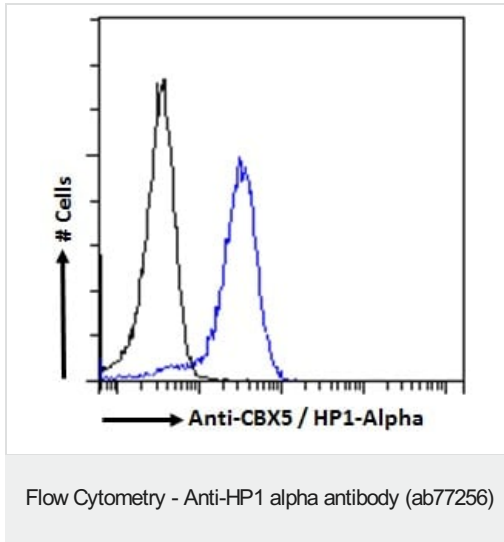
Predicted band size: 22 kDa

Observed band size: 25 kDa



Immunofluorescence analysis of paraformaldehyde fixed, 0.15% Triton permeabilized U-2 OS (Human bone osteosarcoma epithelial cell line) cells labeling HP1 alpha with ab77256 at 10ug/ml for 1hr, followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue).

Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Flow cytometric analysis HeLa cells labeling HP1 alpha with ab77256 at 10 ug/mL (blue line). Cells were fixed with paraformaldehyde fixed and permeabilized with 0.5% Triton. Alexa Fluor 488 at 2ug/mL was used as the secondary antibody. IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

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

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