Product datasheet

Anti-HEXIM1 antibody ab25388

2 Abreviews 28 References 4 图像

概述

产品名称	Anti-HEXIM1抗体
描述	兔多克隆抗体to HEXIM1
宿主	Rabbit
经测试应用	**适用于:** WB, ICC/IF, IP
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat, Dog
免疫原	Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Human HEXIM1. 参阅Abcam的专有抗源政策 (Peptide available as **ab26978**.)
阳性对照	ICC/IF: HeLa cells
常规说明	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. 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

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: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
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ab25388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
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 41 kDa). Abcam recommends using milk (3%) as the blocking agent.
ICC/IF		Use a concentration of 1 µg/ml.
IP		Use at an assay dependent concentration.

靶标

功能 Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation. May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity.

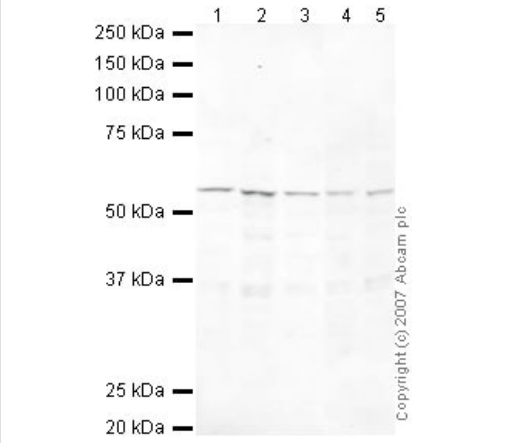
组织特异性 Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

序列相似性 Belongs to the HEXIM family.

结构域 The coiled-coil domain mediates oligomerization.

细胞定位 Nucleus. Cytoplasm. Binds alpha-importin and is mostly nuclear.

图片



Western blot - Anti-HEXIM1 antibody (ab25388)

All lanes : Anti-HEXIM1 antibody (ab25388) at 1/250 dilution

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 3 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 4 : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lane 5 : SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

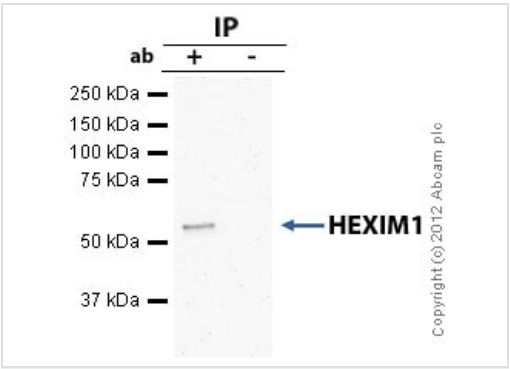
Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 41 kDa

Observed band size: 54 kDa

ab25388 recognizes a band at approximately 54 kDa that corresponds in size to that seen for HEXIM1. Although it has a predicted molecular weight of 41 kDa, it has been shown to migrate at a larger size of about 54-60 kDa (see Byers et al., J Biol Chem. 2005 Apr 22;280(16):16360-7 and Schulte et al., J. Biol. Chem., Vol. 280, (26): 24968-24977).



Immunoprecipitation - Anti-HEXIM1 antibody (ab25388)

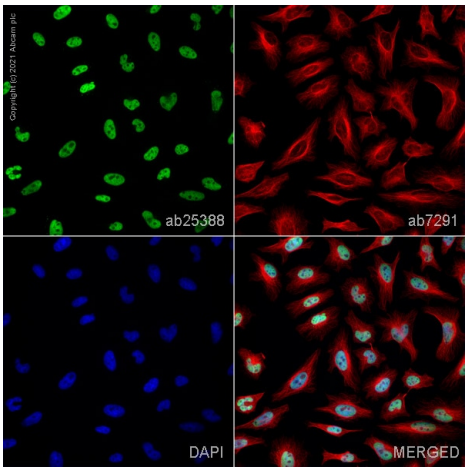
HEXIM1 - ChIP Grade was immunoprecipitated using 0.5mg Jurkat whole cell extract, 5µg of Rabbit polyclonal to HEXIM1 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Jurkat whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70^{o}C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab25388.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (**ab99697**).

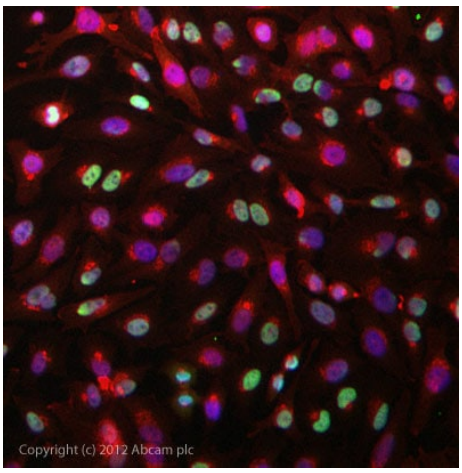
Band: 54kD: HEXIM1 .



Immunocytochemistry/ Immunofluorescence - Anti-HEXIM1 antibody (ab25388)

ab25388 staining HEXIM1 in HeLa cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab25388 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Anti-HEXIM1 antibody (ab25388)

ICC/IF image of ab25388 stained HeLa 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 ab25388 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/1000 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 1.43µM.

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