

Anti-BANF1/BAF antibody ab56517

★★★★★ [1 Abreviews](#) [2 References](#) [3 图像](#)

概述

产品名称	Anti-BANF1/BAF抗体
描述	小鼠单克隆抗体to BANF1/BAF
宿主	Mouse
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length protein: MTTSQKHRDF VAEPMGEKPV GSLAGIGEV L GKKLEERGF D KAYVVLGQFL VLKDEDLFR EWLKDT CGAN AKQSRDCFGC LREWCD AFL, corresponding to amino acids 1-90 of Human BANF1 Run BLAST with ExpASY Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab56517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。

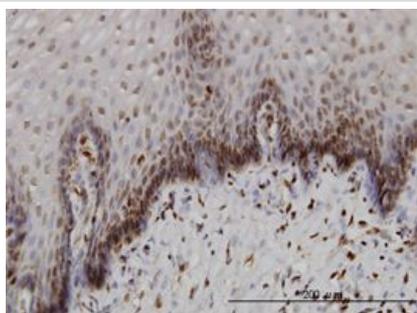
应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 10 kDa.

应用	Ab评论	说明
IHC-P		Use a concentration of 3 µg/ml.
ICC/IF		Use a concentration of 5 µg/ml.

靶标

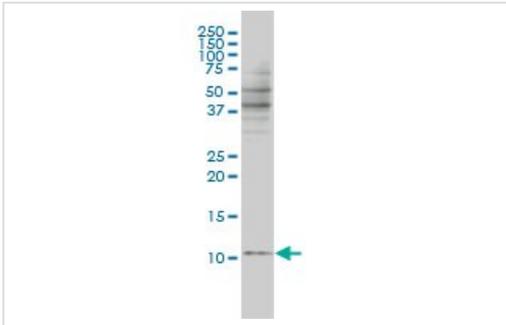
功能	Plays fundamental roles in nuclear assembly, chromatin organization, gene expression and gonad development. May potentially compress chromatin structure and be involved in membrane recruitment and chromatin decondensation during nuclear assembly. Contains 2 non-specific dsDNA-binding sites which may promote DNA cross-bridging. Exploited by retroviruses for inhibiting self-destructing autointegration of retroviral DNA, thereby promoting integration of viral DNA into the host chromosome. EMD and BAF are cooperative cofactors of HIV-1 infection. Association of EMD with the viral DNA requires the presence of BAF and viral integrase. The association of viral DNA with chromatin requires the presence of BAF and EMD.
组织特异性	Widely expressed. Expressed in colon, brain, heart, kidney, liver, lung, ovary, pancreas, placenta, prostate, skeletal muscle, small intestine, spleen and testis. Not detected in thymus and peripheral blood leukocytes.
序列相似性	Belongs to the BAF family.
结构域	Has a helix-hairpin-helix (HhH) structural motif conserved among proteins that bind non-specifically to DNA. LEM domain proteins bind centrally on the BAF dimer, whereas DNA binds to the left and right sides.
翻译后修饰	Partially phosphorylated on serine. Ser-4 phosphorylation may block BAF ability to promote EMD binding to lamins in vitro. Non phosphorylated BAF seems to enhances binding between EMD and LMNA.
细胞定位	Nucleus. Cytoplasm. Chromosome. Significantly enriched at the nuclear inner membrane, diffusely throughout the nucleus during interphase and concentrated at the chromosomes during the M-phase. May be included in HIV-1 virions via its interaction with viral GAG polyprotein.

图片



BANF1 antibody (ab56517) used in immunohistochemistry at 3µg/ml on formalin fixed and paraffin embedded human esophagus.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BANF1 antibody (ab56517)



Western blot - Anti-BANF1 antibody (ab56517)

BANF1 antibody (ab56517) at 1ug/lane + Jurkat cell lysate at 25ug/lane.

Immunocytochemistry/ Immunofluorescence - Anti-BANF1 antibody (ab56517)

ICC/IF image of ab56517 stained HepG2 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 (ab56517, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse 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.

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