

Product datasheet

Anti-BAF57/SMARCE1 antibody ab14764

2 References [画像数 1](#)

製品の概要

製品名	Anti-BAF57/SMARCE1 antibody
製品の詳細	Goat polyclonal to BAF57/SMARCE1
由来種	Goat
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse
免疫原	Synthetic peptide: PPTDPIPEDEKKE , corresponding to amino acids 399-411 of Human BAF57/SMARCE1. Run BLAST with Run BLAST with
ポジティブ・コントロール	Lysates prepared from HepG2, HeLa and Jurkat cells. Lysate prepared from transfected HEK293 transiently expressing BAF57. Human prostate tissue sections.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab14764** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.2 - 0.6 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).
IHC-P		Use a concentration of 3 - 5 µg/ml.

ターゲット情報

機能	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity). Required for the coactivation of estrogen responsive promoters by Swi/Snf complexes and the SRC/p160 family of histone acetyltransferases (HATs). Also specifically interacts with the CoREST corepressor resulting in repression of neuronal specific gene promoters in non-neuronal cells. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.
配列類似性	Contains 1 HMG box DNA-binding domain.
ドメイン	The HMG domain is essential for CD4 silencing and CD8 activation; mutation of this domain blocks thymus development.
細胞内局在	Nucleus.

画像



Western blot - Anti-BAF57/SMARCE1 antibody (ab14764)

Anti-BAF57/SMARCE1 antibody (ab14764) at 0.2 µg/ml + Jurkat lysate at 35 µg

Predicted band size: 47 kDa

Observed band size: 50 kDa

[why is the actual band size different from the predicted?](#)

Primary incubation was 1 hour. Detected by chemiluminescence.

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