DPF2 monoclonal antibody

Catalog: MB67168 Host: Mouse Reactivity: Human, Hamster

BackGround:

The modulation of chromatin structure is an essential component in the regulation of transcriptional activation and repression. Modifications can be made by at least two evolutionarily conserved strategies, through the disruption of histone-DNA contacts by ATP-dependent chromatin remodelers, or by histone tail modifications including methylation and acetylation. One of the four classes of ATP-dependent histone remodelers is the SWI/SNF complex, the central catalytic subunit of which is Brg1 or the highly related protein hBRM. This SWI/SNF complex contains varying subunits but its association with either Brg1 or hBRM remains constant. SWI/SNF complexes have been shown to regulate gene activation, cell growth, the cell cycle, and differentiation. Brg1/hBRM have been shown to regulate transcription through enhancing transcriptional activation of glucocorticoid receptors. Although usually associated with transcriptional activation, Brg1/hBRM have also been found in complexes associated with transcriptional repression, including HDACs, Rb, and Tif1β. Brg1/hBRM plays a vital role in the regulation of gene transcription during early mammalian embryogenesis. In addition, Brg1/hBRM also plays a role as a tumor suppressor and Brg1 is mutated in several tumor cell lines.~DPF2/BAF45D, also known as requiem, is a member of the mammalian SWI/SNF complex that was shown to play a role in non-canonical NF-κB signaling. DPF2/BAF45D can interact with and decrease levels of OCT4 protein during differentiation.

Product:

Mouse IgG3 kappa. Supplied in crude ascites with 0.01% sodium azide.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

Q92785

Purification&Purity:

Applications:

WB (1/500 - 1/4000)

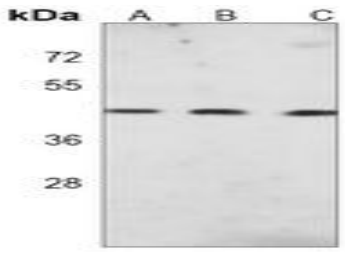
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of DPF2 protein.

DATA:



Western blot analysis of DPF2 expression in CHO (A), MDAMB453 (B), HL60 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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