

BAF155 monoclonal antibody

Catalog: MB66543

Host: Mouse

Reactivity: Human

BackGround:

ATP-dependent chromatin remodeling complexes play an essential role in the regulation of nuclear processes such as transcription and DNA replication and repair. The SWI/SNF chromatin remodeling complex consists of more than 10 subunits and contains a single molecule of either BRM or BRG1 as the ATPase catalytic subunit. The activity of the ATPase subunit disrupts histone-DNA contacts and changes the accessibility of crucial regulatory elements to the chromatin. The additional core and accessory subunits play a scaffolding role to maintain stability and provide surfaces for interaction with various transcription factors and chromatin. The interactions between SWI/SNF subunits and transcription factors, such as nuclear receptors, p53, Rb, BRCA1, and MyoD, facilitate recruitment of the complex to target genes for regulation of gene activation, cell growth, cell cycle, and differentiation processes.

Asymmetric dimethylation of SMARCC1/BAF155 by CARM1 was found to be associated with genes upregulated by c-Myc and breast cancer progression. Furthermore, asymmetric dimethylated SMARCC1/BAF155 was found to be associated with chromatin independent of SWI/SNF ATPases Brg1 and BRM, suggesting a sub-complex capable of affecting chromatin state. Indeed, unmethylated SMARCC1/BAF155 seems to play a role in development as it more closely associates with Brg1 during development, which reduces pluripotency.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 155 kDa

Swiss-Prot:

Q92922

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

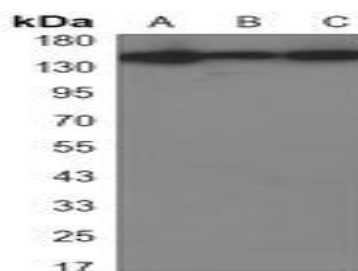
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of BAF155 protein.

DATA:



Western blot analysis of BAF155 expression in K562 (A), Jurkat (B), HeLa (C) whole cell lysates.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151