Technical Data Sheet

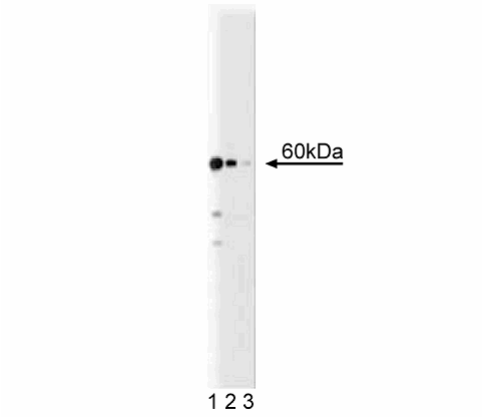
Purified Mouse Anti- BAF60a

Product Information

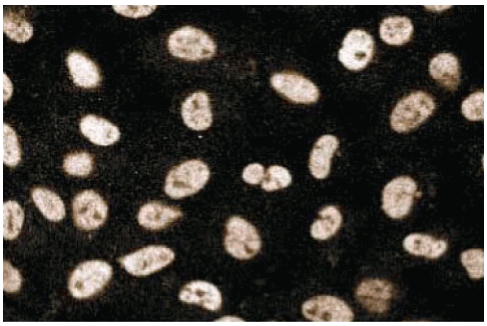
Material Number:	**611728**
Size:	50 µg
Concentration:	250 µg/ml
Clone:	23/BAF60A
Immunogen:	Mouse BAF60a, aa 1-91
Isotype:	Mouse IgG2a
Reactivity:	QC Testing: Human Tested in Development: Chicken, Dog, Mouse, Rat
Target MW:	60 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

SWI/SNF complexes facilitate gene activation and transcription factor binding byaltering repressive chromatin structures. In mammals, SWI/SNF complexes are present inmutliple forms that include 9-12 proteins called **B**RG1-**a**ssociated **f**actors (BAFs), whichrange in molecular weight from 47 to 250 kDa. BAF60 is the homologue of the yeastSWP70 subunit of the yeast SWI/SNF complex that regulates glucocorticoidtranscription. Three isoforms of BAF60 are BAF60a, BAF60b, and BAF60c. BAF60a isubiquitously expressed and is present in the 200-kDa BRG1 complex. BAF60b andBAF60c are expressed preferentially in muscle and pancreas and may be subunits of adistinct complex that shares some subunits with BRG1 complex. In hematopoietic cells,a SWI/SNF related-complex (PYR) contains BAF57, INI1, BAF60a, and BAF170. This complex binds a 250 bp pyrimidine-rich element between the fetal and adult ß-globingenes and may facilitate human fetal-to-adult globin gene switching. Thus, BAF60proteins are components of multiple SWI/SNF complexes that regulate the transcriptionof various genes.



Western blot analysis of BAF60a on jurkat lysate. *Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of BAF60a.*



Human Endothelial

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at -20°C.

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Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

O'Neill D, Yang J, Erdjument-Bromage H, Bornschlegel K, Tempst P, Bank A. Tissue-specific and developmental stage-specific DNA binding by a mammalian SWI/SNF complex associated with human fetal-to-adult globin gene switching. *Proc Natl Acad Sci U S A.* 1999; 96(2):349-354.(Biology)
Wang W, Cote J, Xue Y, et al. Purification and biochemical heterogeneity of the mammalian SWI-SNF complex. *EMBO J.* 1996; 15(19):5370-5382.(Biology)
Wang W, Xue Y, Zhou S, Kuo A, Cairns BR, Crabtree GR. Diversity and specialization of mammalian SWI/SNF complexes. *Genes Dev.* 1996; 10(17):2117-2130. (Biology)