

SMARCA4 Polyclonal Antibody

ALTERNATE NAMES: BAF190, BRG1, FLJ39786, SNF2, SNF2-BETA, SNF2L4, SNF2LB, SWI2, hSNF2b.

CATALOG #: 6156-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG

IMMUNOGEN: A synthetic peptide of human SMARCA4

PURIFICATION: Affinity purified

MOLECULAR WEIGHT: 185 kDa

FORM: Liquid

FORMULATION: 100 µg of antibody in 100 µl PBS containing 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

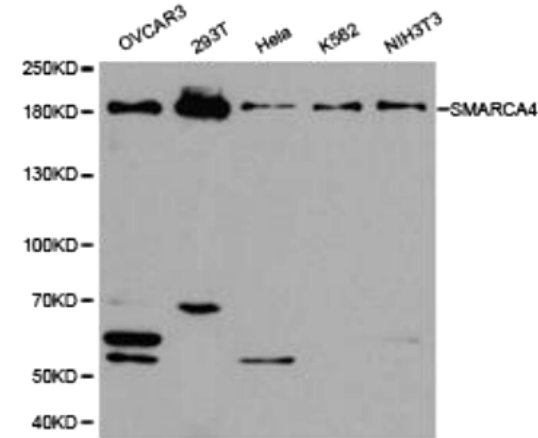
STORAGE CONDITIONS: Can be stored at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: 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 has 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 with 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 suppressors and Brg1 is mutated in several tumor cell lines.

SPECIFICITY: Cross-reacts with human, rat and mouse samples.

APPLICATION: Western blot: 1:500 – 1:2000, IHC: 1:50 – 1:200.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



WB of various cell extracts with SMARCA4 pAb.

RELATED PRODUCTS:

- BRG1 Antibody (**Cat. No. 3739-100**)
- Human recombinant BRG1 bromodomain (1448-1575 aa) (**Cat. No. 7650-20, -100**)
- BRM bromodomain (1367-1511 aa), Human recombinant (**Cat. No. 7655-20, -100**)

FOR RESEARCH USE ONLY! Not to be used on humans.

