

Monoclonal Antibody to Brm - Purified

Alternate names:	ATP-dependent helicase SMARCA2, BRG1-associated factor 190B, Protein brahma homolog, SNF2/SWI2-like protein 2, SWI/SNF related, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a2, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 2, actin dependent regulator of chromatin, global transcription activator homologous sequence, matrix associated, member 2, probable global transcription activator SNF2L2, subfamily a, sucrose nonfermenting 2-like protein 2
Catalog No.:	AM50469PU-N
Quantity:	0.1 mg
Concentration:	lot-specific
Background:	BAF190B (BRG1-associated factor 190B), also known as protein brahma homolog (Brm), and SNF2-alpha, functions as a transcriptional coactivator. This protein contains a helicase domain and is a member of the SWI/SNF family of proteins and is part of the SWI-SNF chromatin remodeling complex. The SWI-SNF complex is involved in the activation of transcription via the remodeling of nucleosome structure in an ATP-dependent manner. This large complex contains multiple proteins. BAF190 (Brm) and Brg-1 (SNF2-beta) are the ATPase subunits of the mammalian SWI-SNF complex. Brm, Brg-1, Ini1 (integrase interactor 1, or SNF5), BAF155 (SRG3) and BAF170 are thought to comprise the functional core of the SWI-SNF complex. Other complex subunits are thought to play regulatory roles. hSNF2L and hSNF2H both appear to be homologs of Drosophila ISWI, a Brm related ATPase that is present in chromatin remodeling complexes other than SWI/SNF, including the NURF (nucleosome remodeling factor).
Uniprot ID:	Q6D1C0
NCBI:	NP_035546.2
GeneID:	67155
Host / Isotype:	Rat / IgG2a
Recommended Isotype Controls:	SM15P, SM15PX
Clone:	1H7A10
Immunogen:	Recombinant protein corresponding to amino acids 48-214 of mouse Brm.
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Applications:	Immunohistochemistry. Western Blot: 0.5 µg/mL of this antibody detected Brm on 10 µg of K562 nuclear extract.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Recognizes BAF190B also known as Brm
Demonstrated to react with human and mouse.

Storage: Store undiluted at 2-8°C.
Shelf life: one year from despatch.

Pictures: Western Blotting Analysis:
Representative lot data.
K562 nuclear extract was probed with
Anti-Brm, clone 1H7A10 (0.5 µg/mL).
Proteins were visualized using a Goat
Anti-Rat IgG secondary antibody
conjugated to HRP and a
chemiluminescence detection system.
Arrow indicates Brm (~140-180 kDa).

