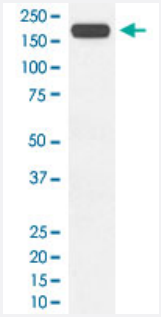
SMARCA4 monoclonal antibody, clone GFB-19

Catalog # MAB19675 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with SMARCA4 monoclonal antibody, clone GFB-19 (Cat # MAB19675).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SMARCA4.
Immunogen	A synthetic peptide corresponding to human SMARCA4.
Host	Rabbit
Theoretical MW (kDa)	184.646
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	ChIP Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:5000-1:20000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- ChIP
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate with SMARCA4 monoclonal antibody, clone GFB-19 (Cat # MAB19675).

Gene Info — SMARCA4

Entrez GeneID	6597
Protein Accession#	P51532
Gene Name	SMARCA4
Gene Alias	BAF190, BRG1, FLJ39786, SNF2, SNF2-BETA, SNF2L4, SNF2LB, SWI2, hSNF2b
Gene Description	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, membe r 4
Omim ID	603254
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	ATP-dependent helicase SMARCA4|BRM/SWI2-related gene 1|SNF2-like 4|SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a4|brahma protein-like 1|global transcription activator homologous sequence|homeotic gene regulator|mitotic growth

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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