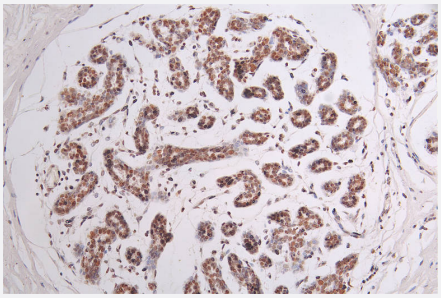
RecomAb™ Sm Size

SMARCA4 recombinant monoclonal antibody, clone 22F3

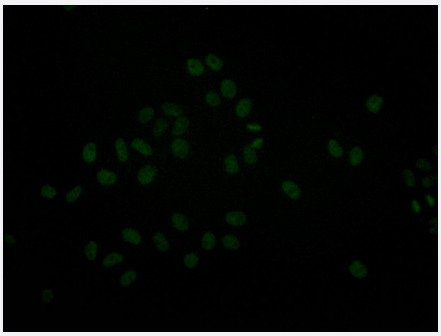
Catalog # RAB08618 Size 50 uL

Applications



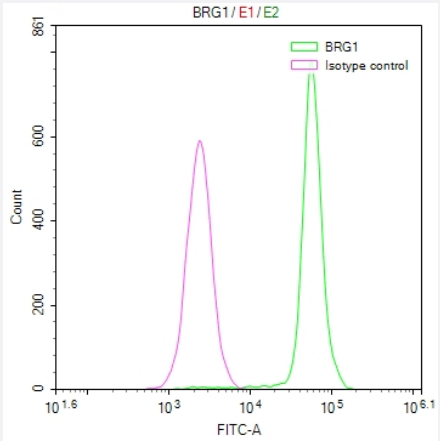
Immunohistochemistry

Immunohistochemistry image of SMARCA4 recombinant monoclonal antibody, clone 22F3 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of Hela Cells with SMARCA4 recombinant monoclonal antibody, clone 22F3 at 1:20, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing Hela cells stained with SMARCA4 recombinant monoclonal antibody, clone 22F3 (red line) at 1:50.

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against human SMARCA4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SMARCA4.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to 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

  Immunohistochemistry image of SMARCA4 recombinant monoclonal antibody, clone 22F3 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

- Immunofluorescence

  Immunofluorescence staining of Hela Cells with SMARCA4 recombinant monoclonal antibody, clone 22F3 at 1:20, counter-stained with DAPI.

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  Overlay Peak curve showing Hela cells stained with SMARCA4 recombinant monoclonal antibody, clone 22F3 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

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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, member 4
Omim ID	603254
Gene Ontology	Hyperlink
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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