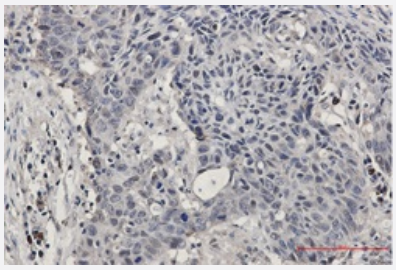
RecomAb™

SMARCA2 recombinant monoclonal antibody, clone R02-3E2

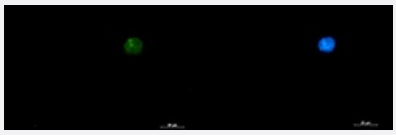
Catalog # RAB01212 Size 100 uL

Applications



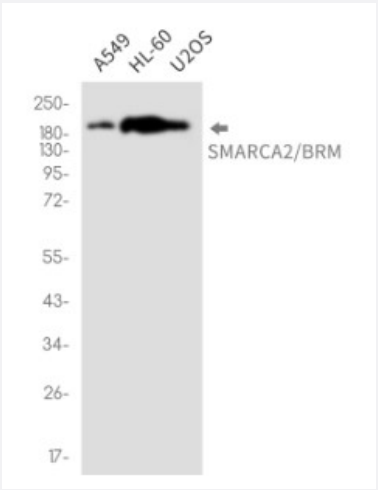
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using SMARCA2/BRM antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry

Immunocytochemistry analysis of SMARCA2 (green) in 293 using SMARCA2 antibody,and DAPI(blue).



Western Blot

Western Blot analysis of A549, HL-60, U2OS lysates with SMARCA2 recombinant monoclonal antibody, clone R02-3E2 (Cat # RAB01212).

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SMARCA2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against synthetic peptide corresponding to human SMARCA2/BRM.
Theoretical MW (kDa)	Calculated MW: 181 k
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunocytochemistry Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°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 (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using SMARCA2/BRM antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

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- Immunocytochemistry

  Immunocytochemistry analysis of SMARCA2 (green) in 293 using SMARCA2 antibody,and DAPI(blue).

- Western Blot

  Western Blot analysis of A549, HL-60, U2OS lysates with SMARCA2 recombinant monoclonal antibody, clone R02-3E2 (Cat # RAB01212).

Gene Info — SMARCA2

Entrez GeneID	6595
Protein Accession#	P51531
Gene Name	SMARCA2
Gene Alias	BAF190, BRM, FLJ36757, MGC74511, SNF2, SNF2L2, SNF2LA, SWI2, Sth1p, hBRM, hSNF2a
Gene Description	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
Omim ID	600014
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the SWI/SNF family of proteins and is highly 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. Two transcript variants encoding different isoforms have been found for this gene, which contains a trinucleotide repeat (CAG) length polymorphism. [provided by RefSeq
Other Designations	OTTHUMP00000020970|OTTHUMP00000020971|SNF2-alpha|SNF2-like 2|SNF2/SWI2-like protein 2|SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a2|global transcription activator homologous sequence|sucrose nonfermenting 2-like protein 2

Disease

- Breast cancer
- Breast Neoplasms
- Schizophrenia

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- Tobacco Use Disorder

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