

SMARCA1
Purified Mouse Monoclonal Antibody
Catalog # AO2534a**Specification**

SMARCA1 - Product Information

Application	E, WB, FCM, IHC
Primary Accession	P28370
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	122.6kDa KDa

Immunogen

Purified recombinant fragment of human SMARCA1 (AA: 933-1070) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

SMARCA1 - Additional Information

Gene ID 6594

Other Names

SWI; ISWI; SWI2; SNF2L; SNF2L1; SNF2LB; SNF2LT; hSNF2L; NURF140

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
FCM~~1/200 - 1/400
IHC~~ 1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SMARCA1 is for research use only and not for use in diagnostic or therapeutic procedures.

SMARCA1 - Protein Information

Name SMARCA1

Synonyms SNF2L, SNF2L1

Function

[Isoform 1]: Catalytically inactive when either DNA or nucleosomes are the substrate and does not

possess chromatin-remodeling activity (PubMed:15310751, PubMed:28801535). Acts as a negative regulator of chromatin remodelers by generating inactive complexes (PubMed:15310751).

Cellular Location

Nucleus.

Tissue Location

[Isoform 1]: Mainly expressed in non-neuronal tissues such as lung, breast, kidney, and ovary

SMARCA1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SMARCA1 - Images

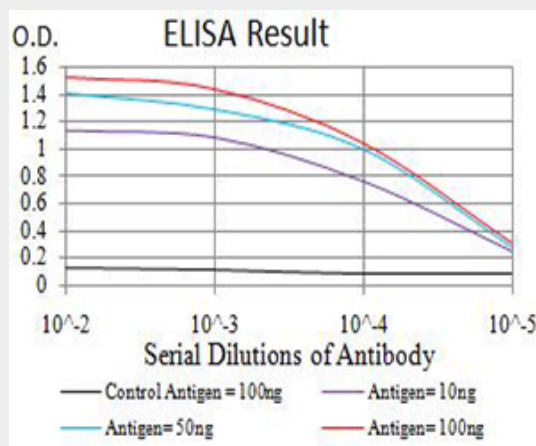


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

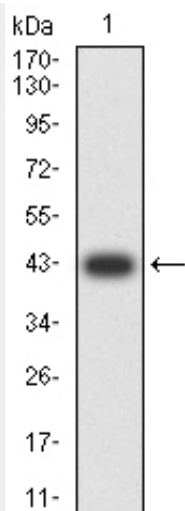


Figure 2: Western blot analysis using SMARCA1 mAb against human SMARCA1 (AA: 933-1070) recombinant protein. (Expected MW is 42.4 kDa)

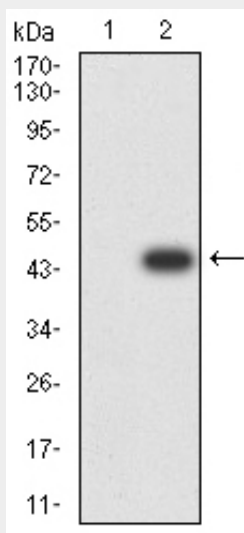


Figure 3: Western blot analysis using SMARCA1 mAb against HEK293 (1) and SMARCA1 (AA: 933-1070)-hlgGFc transfected HEK293 (2) cell lysate.

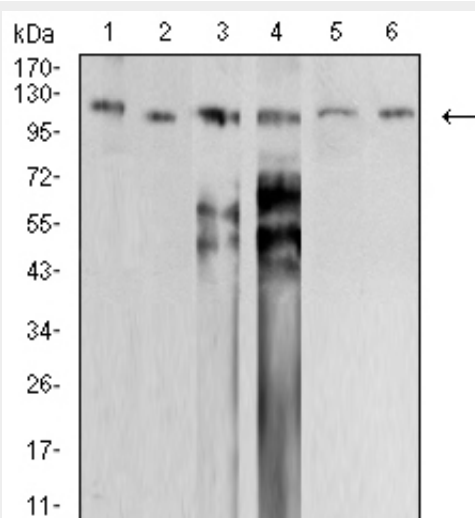


Figure 4: Western blot analysis using SMARCA1 mouse mAb against PANC-1 (1), HEK293 (2), SW620 (3), HT-29 (4), SH-SY5Y (5), and SK-OV-3 (6) cell lysate.

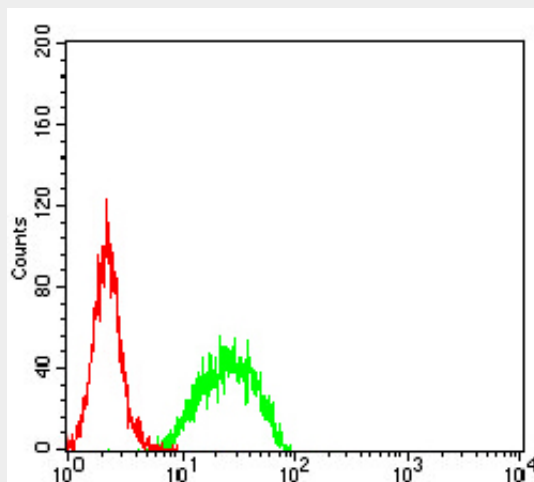


Figure 5: Flow cytometric analysis of NIH/3T3 cells using SMARCA1 mouse mAb (green) and negative control (red).

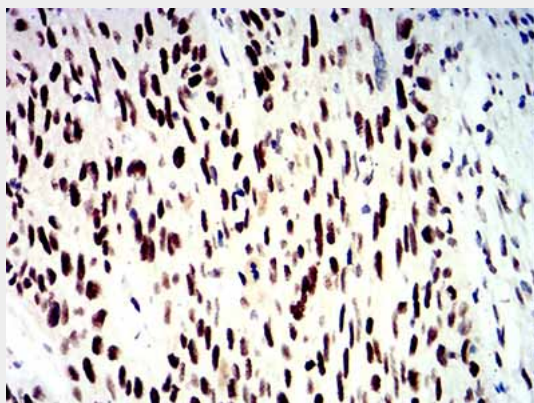


Figure 6: Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using SMARCA1 mouse mAb with DAB staining.

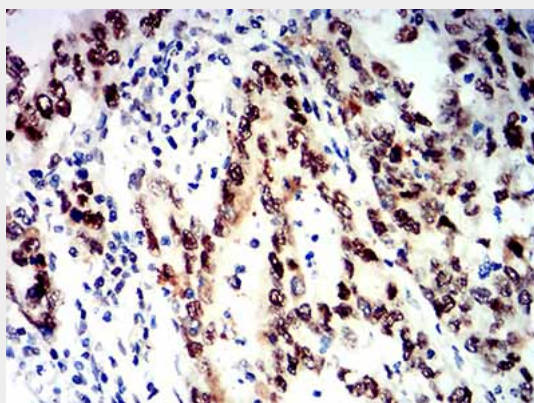


Figure 7: Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using SMARCA1 mouse mAb with DAB staining.

SMARCA1 - References

1. Yonsei Med J. 2013 May 1;54(3):772-7. 2. BMC Med Genet. 2008 Feb 26;9:11.