

For Research Use Only

# SMARCAL1 Polyclonal antibody

Catalog Number: 12513-1-AP

Featured Product

3 Publications



## Basic Information

Catalog Number:

12513-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3194

GenBank Accession Number:

BC016482

GeneID (NCBI):

50485

UNIPROT ID:

Q9NZC9

Full Name:

SWI/SNF related, matrix associated,  
actin dependent regulator of  
chromatin, subfamily a-like 1

Calculated MW:

954 aa, 106 kDa

Observed MW:

106 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, Jurkat cells

## Background Information

SMARCAL1 is identified as a factor that favors tumor immune evasion by a dual mechanism involving both the suppression of innate immune signaling and the induction of PD-L1-mediated immune checkpoint responses. Mechanistically, SMARCAL1 limits endogenous DNA damage, thereby suppressing cGAS-STING-dependent signaling during cancer cell growth. Simultaneously, it cooperates with the AP-1 family member JUN to maintain chromatin accessibility at a PD-L1 transcriptional regulatory element, thereby promoting PD-L1 expression in cancer cells (PMID: 38301646).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiu Tu	36109793	J Exp Clin Cancer Res	WB
Wenya Feng	34715232	Sci Total Environ	WB,IP
Bei-Bei Sun	38697461	Cancer Lett	WB,IHC,IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

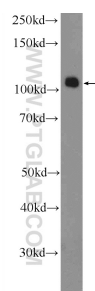
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12513-1-AP (SMARCA1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.