

For Research Use Only

SMARCAL1 Polyclonal antibody

Catalog Number: 12513-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 12513-1-AP	GenBank Accession Number: BC016482	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 50485	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	
Isotype: IgG	Calculated MW: 954 aa, 106 kDa	
Immunogen Catalog Number: AG3194	Observed MW: 106 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, Jurkat cells, mouse testis tissue
Cited Applications: IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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

Storage

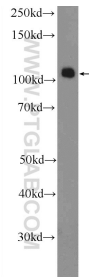
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 (SMARCAL1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.