

For Research Use Only

SMARCA4/BRG1 Polyclonal antibody



Catalog Number: 20650-1-AP

1 Publications

Basic Information

Catalog Number: 20650-1-AP	GenBank Accession Number: NM_001128844	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6597	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	
Isotype: IgG	Calculated MW: 185 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, K-562 cells, HepG2 cells
Cited Applications: ChIP, IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

SMARCA4, also named as BAF190A, BRG1, SNF2B and SNF2L4, belongs to the SNF2/RAD54 helicase family. SMARCA4 is a transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. It is a component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. It is also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. The antibody is specific to SMARCA4.

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Li	37880339	Acta Pharmacol Sin	WB,IF,ChIP

Storage

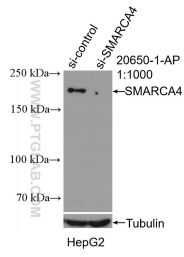
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
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Selected Validation Data



WB result of SMARCA4/BRG1 antibody (20650-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMARCA4/BRG1 transfected HepG2 cells.



HeLa cells were subjected to SDS PAGE followed by western blot with 20650-1-AP (SMARCA4/BRG1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.