

Nur für Forschungszwecke

# SMARCA4/BRG1 Polyklonaler Antikörper



Katalog-Nr.: 21634-1-AP

Vorgestelltes Produkt

30 Publikationen

## Allgemeine Informationen

Katalog-Nr.:  
21634-1-AP

Größe:  
150ul, Konzentration: 800 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG16256

GenBank-Zugangsnummer:  
BC150298

GeneID (NCBI):  
6597

Vollständiger Name:  
SWI/SNF related, matrix associated,  
actin dependent regulator of  
chromatin, subfamily a, member 4

Berechnete Masse:  
1647 aa, 185 kDa

Beobachtete Masse:  
185 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:3000  
IP 0.5-4.0 µg für IP und 1:500-1:2000  
für WB  
IHC 1:200-1:800  
IF 1:10-1:100

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ChIP, CoIP, IF, IHC, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Rind, Zebrafisch

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: HeLa-Zellen, HepG2-Zellen, humanes Plazenta-Gewebe, Maushirngewebe, MCF-7-Zellen, PC-3-Zellen, Rattenhirngewebe

IP: HeLa-Zellen,

IHC: humanes Kolonkarzinomgewebe, humanes Gliomgewebe, humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe, Mausnierengewebe

IF: HepG2-Zellen, HEK-293-Zellen, HeLa-Zellen

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shibin Hu	34534457	Mol Cell	ChIP
Mingyan Huang	30546959	Oncoimmunology	WB, ChIP
Xiaodong Yan	33071648	Cancer Cell Int	IF, IHC

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

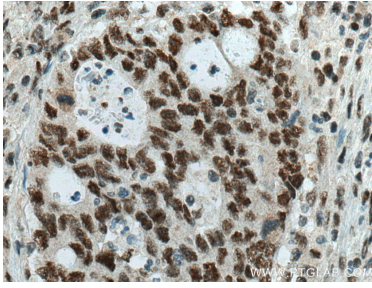
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

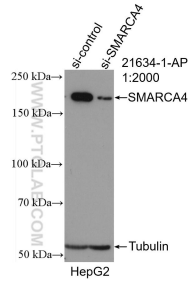
E: proteintech@ptglab.com  
W: ptglab.com

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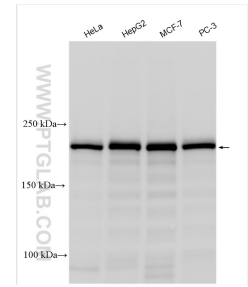
## Ausgewählte Validierungsdaten



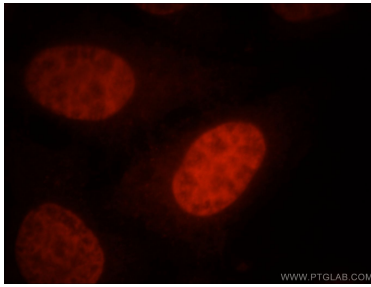
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 21634-1-AP (SMARCA4/BRG1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



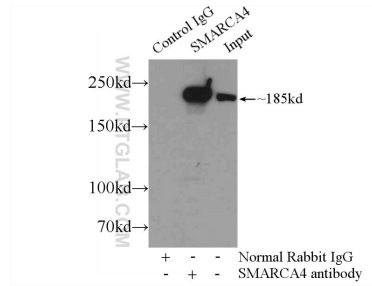
WB result of SMARCA4/BRG1 antibody (21634-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMARCA4/BRG1 transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 21634-1-AP (SMARCA4/BRG1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using SMARCA4 antibody 21634-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-SMARCA4/BRG1 (IP:21634-1-AP, 5ug; Detection:21634-1-AP 1:1000) with HeLa cells lysate 2500ug.