

For Research Use Only

# SMARCA5 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 85019-3-PBS

Featured Product



## Basic Information

Catalog Number:

85019-3-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3759

GenBank Accession Number:

BC023144

GeneID (NCBI):

8467

UNIPROT ID:

O60264

Full Name:

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

Calculated MW:

1052 aa, 122 kDa

Observed MW:

135 kDa

Purification Method:

Protein A purification

CloneNo.:

242512A8

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:

human

## Background Information

SMARCA5, also named as SNF2H or WCRF135, is a 1052 amino acid protein, which localizes in nucleus and is overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. SMARCA5 is one of the most conserved chromatin remodeling factors. It exists in a variety of oligosubunit complexes that move DNA with respect to the histone octamer to generate regularly spaced nucleosomal arrays. Smarca5 interacts with different accessory proteins and represents a molecular motor for DNA replication, repair, and transcription.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

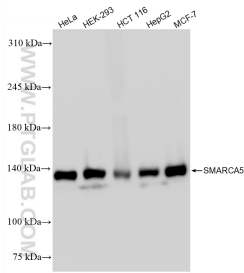
T: 4006900926

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

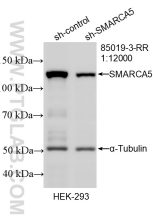
W: [ptgcn.com](http://ptgcn.com)

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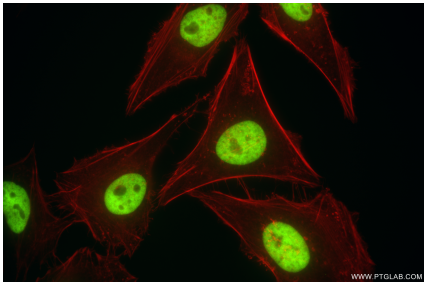
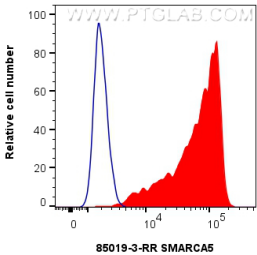
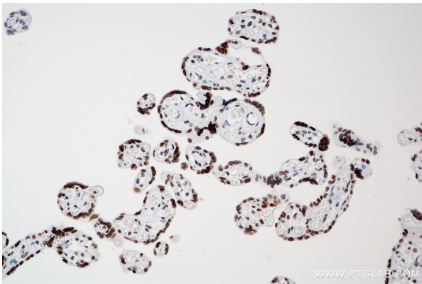
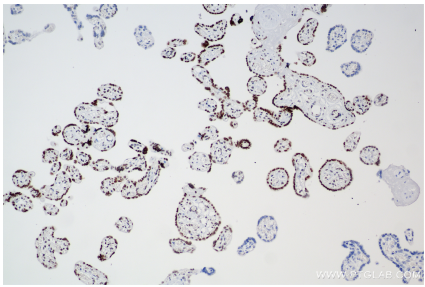
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85019-3-RR (SMARCA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85019-3-PBS in a different storage buffer formulation.



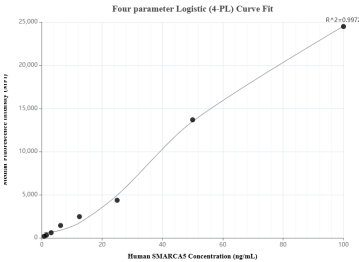
WB result of SMARCA5 antibody (85019-3-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMARCA5 transfected HEK-293 cells. This data was developed using the same antibody clone with 85019-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85019-3-RR (SMARCA5 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85019-3-PBS in a different storage buffer formulation.

1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug SMARCA5 Recombinant antibody (85019-3-RR, Clone:242512A8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 85019-3-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SMARCA5 antibody (85019-3-RR, Clone: 242512A8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85019-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01767-2, SMARCA5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85019-3-PBS. Detection antibody: 85019-1-PBS. Standard: Ag3759. Range: 0.781-100 ng/mL