

For Research Use Only

# SMCR7/MID49 Polyclonal antibody

Catalog Number: 28718-1-AP

6 Publications



## Basic Information

Catalog Number:

28718-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30119

GenBank Accession Number:

BC014973

GeneID (NCBI):

125170

UNIPROT ID:

Q96C03

Full Name:

Smith-Magenis syndrome  
chromosome region, candidate 7

Calculated MW:

454 aa, 49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse, pig, monkey

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : Jurkat cells, mouse heart tissue, rat heart tissue

IHC : human liver cancer tissue,

## Background Information

SMCR7, also named as MID49, is a 49 kDa mitochondrial outer membrane protein which regulates mitochondrial morphology. SMCR7 can directly recruit the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface. SMCR7 has two isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
Evanthia Pangou	34010649	Cell Rep	WB
Leonard Quiring	35100966	Mol Med	WB
Zhe Sun	39804926	PLoS Pathog	WB

## 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:

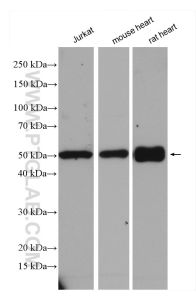
T: 4006900926

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

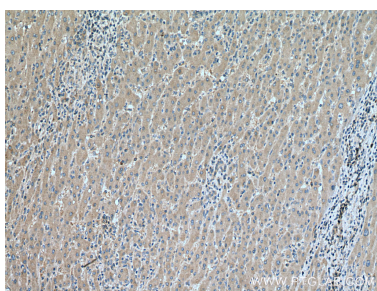
W: [ptgcn.com](http://ptgcn.com)

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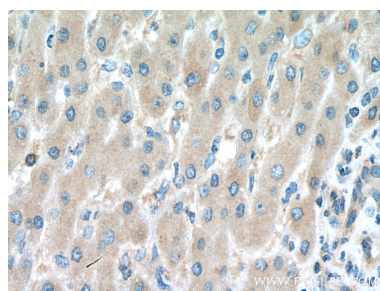
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28718-1-AP (SMCR7,MiD49 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28718-1-AP (SMCR7,MiD49 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28718-1-AP (SMCR7,MiD49 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).