

For Research Use Only

# SMCR7/MID49 Polyclonal antibody

Catalog Number: 16413-1-AP

Featured Product

52 Publications



## Basic Information

**Catalog Number:**

16413-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9531

**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 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse, 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: HEK-293T cells, HepG2 cells, HT-1080 cells

IHC: human liver cancer tissue, human skeletal muscle 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
Allan Shuai Huang	36171332	Cell Death Differ	WB
William T King	34529976	J Biol Chem	WB
Dandan Liu	36083519	Mol Neurobiol	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:

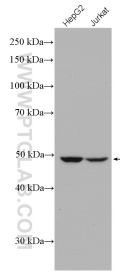
T: 4006900926

E: Proteintech-CN@ptglab.com

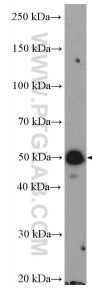
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

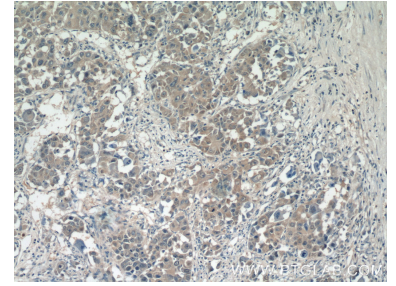
## Selected Validation Data



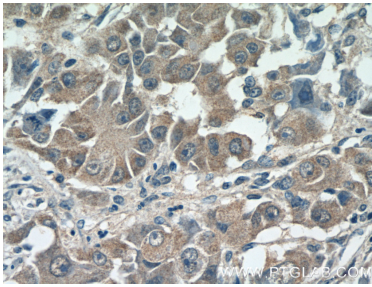
Various lysates were subjected to SDS PAGE followed by western blot with 16413-1-AP (SMCR7/MiD49 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



HEK-293T cells were subjected to SDS PAGE followed by western blot with 16413-1-AP (SMCR7/MiD49 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16413-1-AP (SMCR7/MiD49 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16413-1-AP (SMCR7/MiD49 antibody at dilution of 1:50 (under 40x lens).