

For Research Use Only

SMCR7/MID49 Polyclonal antibody



Catalog Number: 16413-1-AP

Featured Product

32 Publications

Basic Information

Catalog Number:

16413-1-AP

Size:

150UL, Concentration: 233 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9531

GenBank Accession Number:

BC014973

GeneID (NCBI):

125170

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:

IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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
Y Ruan	24176854	Cell Death Dis	WB
Kai Yasukawa	31767682	J Biol Chem	WB
Hala Guedouari	28340937	Biochim Biophys Acta	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

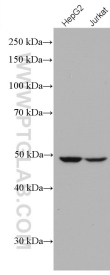
For technical support and original validation data for this product please contact:

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

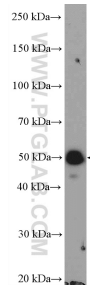
E: proteintech@ptglab.com
W: ptglab.com

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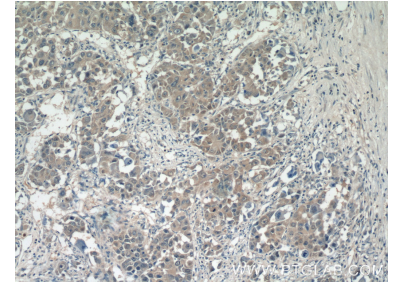
Selected Validation Data



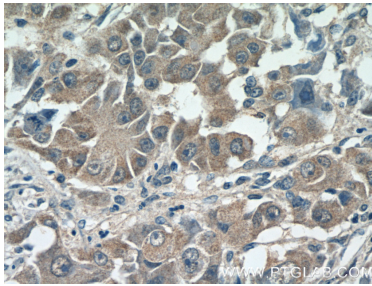
Various lysates were subjected to SDS PAGE followed by western blot with 16413-1-AP (SMCR7/MID49 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).