

For Research Use Only

SMCR7/MID49 Polyclonal antibody

Catalog Number: 28718-1-AP

6 Publications



Basic Information

Catalog Number:

28718-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

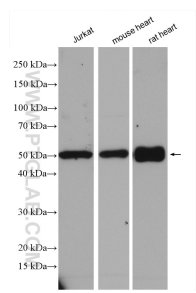
For technical support and original validation data for this product please contact:

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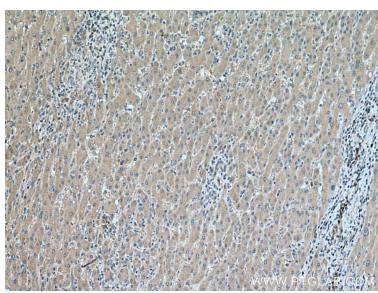
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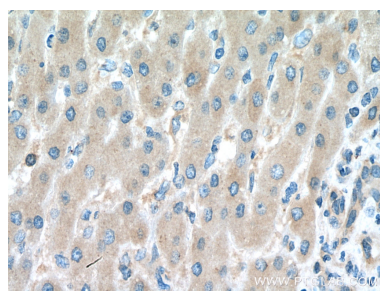
Selected Validation Data



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).