

For Research Use Only

# MARCH5 Polyclonal antibody

Catalog Number: 12213-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

12213-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2806

### GenBank Accession Number:

BC015480

### GeneID (NCBI):

54708

### UNIPROT ID:

Q9NX47

### Full Name:

membrane-associated ring finger (C3HC4) 5

### Calculated MW:

278 aa, 31 kDa

### Observed MW:

31 kDa, 65-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human

### Cited Species:

human

**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 : HeLa cells, U-937 cells

IHC : human skeletal muscle tissue,

## Background Information

MARCH5(E3 ubiquitin-protein ligase MARCH5) is a 31 kDa protein also named as RNF153. This protein plays a protective role against mitochondrial dysfunction caused by the mitochondrial accumulation of mSOD1 via the ubiquitin-proteasome pathway (PMID:19741096). And it may regulate MAP1B LC1 function in mitochondria by controlling mitochondrial aggregation via mitochondrial LC1 levels (PMID:22308378). MEARCH5 can exist as a homodimer with MW 65-70 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lei Miao	33931964	Clin Transl Med	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

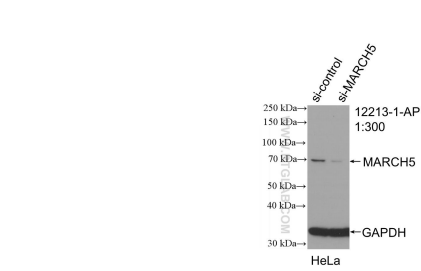
For technical support and original validation data for this product please contact:

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

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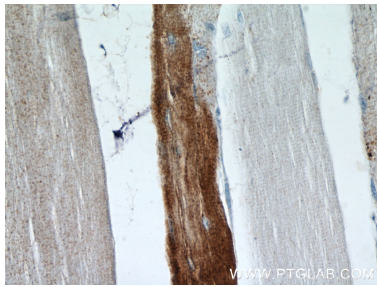
Selected Validation Data



WB result of MARCH5 antibody (12213-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-MARCH5 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 12213-1-AP (MARCH5 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 12213-1-AP (MARCH5 Antibody) at dilution of 1:50 (under 40x lens).