

For Research Use Only

# Arp5/ACTR5 Monoclonal antibody

Catalog Number: 67326-1-Ig **Featured Product**



## Basic Information

**Catalog Number:**

67326-1-Ig

**GenBank Accession Number:**

BC038402

**Purification Method:**

Protein G purification

**Size:**

150ul, Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

**GeneID (NCBI):**

79913

**CloneNo.:**

1E11C1

**Source:**

Mouse

**UNIPROT ID:**

Q9H9F9

**Recommended Dilutions:**

WB 1:5000-1:50000

**Isotype:**

IgG1

**Full Name:**

ARF5 actin-related protein 5 homolog (yeast)

**Immunogen Catalog Number:**

AG15976

**Calculated MW:**

607 aa, 68 kDa

**Observed MW:**

68 kDa

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse, rat, pig

**Positive Controls:**

WB: HepG2 cells, C2C12 cells, pig skeletal muscle tissue, rat skeletal muscle tissue, HEK-293 cells, K-562 cells

## Background Information

Arp5 is a member of nuclear actin-related proteins (ARPs) that function as components of the chromatin-remodeling complex. Recently study reported that Arp5 regulates smooth muscle cell differentiation through interaction with myocardin (Myocd). Arp5 has been identified as negative regulator of Myocd, suppressing Myocd activity in the nucleus through tightly binding with Myocd RPEL motifs. Alternative splicing results in two variants of Arp5: a broadly expressed arp5-common, and a smooth muscle restricted arp5-sm. Expression of Arp5-sm protein is strongly suppressed in well-differentiated smooth muscle cells by partial messenger RNA decay and translational suppression. (24567363)

## 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

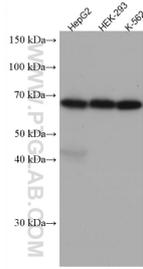
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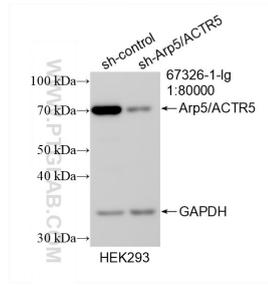
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67326-1-Ig (Arp5/ACTR5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Arp5/ACTR5 antibody (67326-1-Ig; 1:80000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Arp5/ACTR5 transfected HEK-293 cells.