

# Arp3 Rabbit mAb

Catalog No.: A4514 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

47kDa

### Calculated MW

47kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC1067

## Background

The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

10096

### Swiss Prot

P61158

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 319-418 of human Arp3 (P61158).

### Synonyms

ARP3; Arp3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

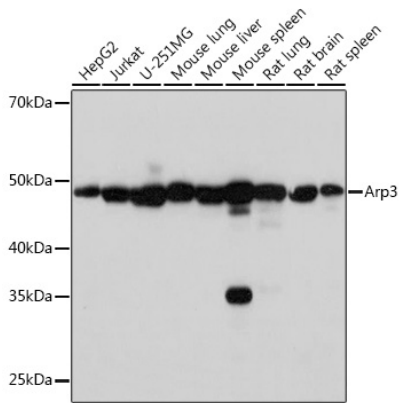
Affinity purification

### Storage

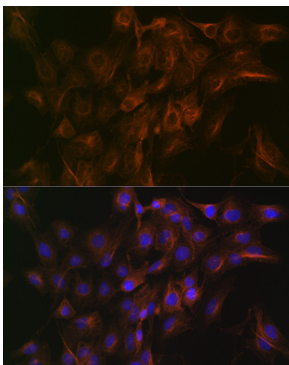
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

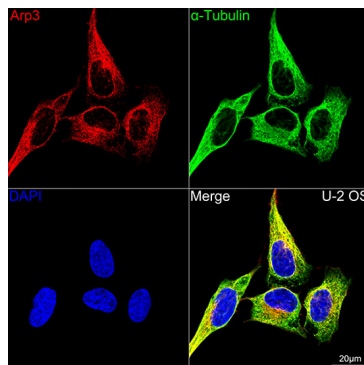
## Validation Data



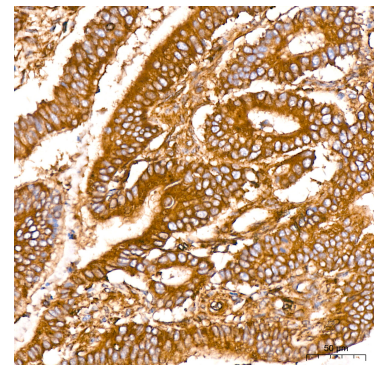
Western blot analysis of extracts of various cell lines, using Arp3 Rabbit mAb (A4514) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



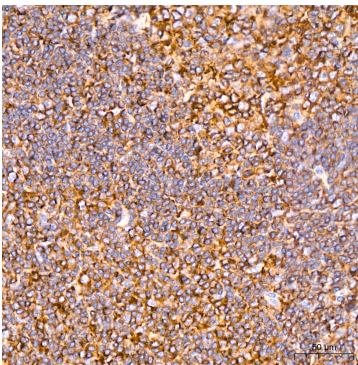
Immunofluorescence analysis of C6 cells using Arp3 Rabbit mAb (A4514) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



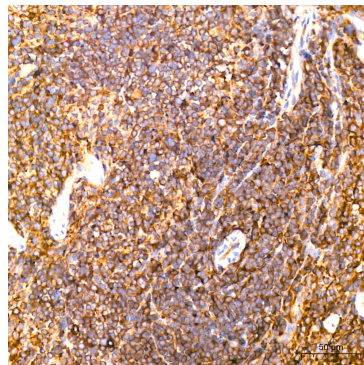
Confocal imaging of U-2 OS cells using Arp3 Rabbit mAb (A4514, dilution 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



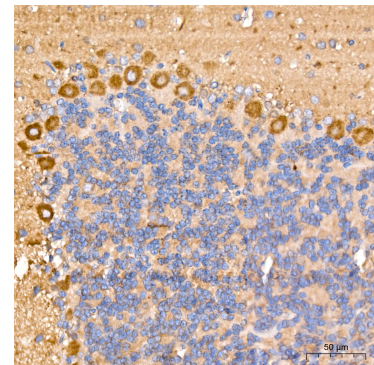
Immunohistochemistry analysis of Arp3 in paraffin-embedded human colon carcinoma tissue using Arp3 Rabbit mAb (A4514) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Arp3 in paraffin-embedded human tonsil tissue using Arp3 Rabbit mAb (A4514) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Arp3 in paraffin-embedded mouse spleen tissue using Arp3 Rabbit mAb (A4514) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Arp3 in paraffin-embedded rat brain tissue using Arp3 Rabbit mAb (A4514) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.