
Product Name: KD-Validated Arp3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00218**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 47.4kDa

Antigen Information

Gene Name	ACTR3 ACTR3; Actin Related Protein 3; ARP3; ARP3 Actin Related Protein 3 Homolog; Actin-Related
Alternative Names	Protein 3; Actin-Like Protein 3; ARP3 (Actin-Related Protein 3, Yeast) Homolog; ARP3 Actin-Related Protein 3 Homolog (Yeast)
Gene ID	10096.0
SwissProt ID	P61158
Immunogen	A synthesized peptide derived from human ACTR3

Background

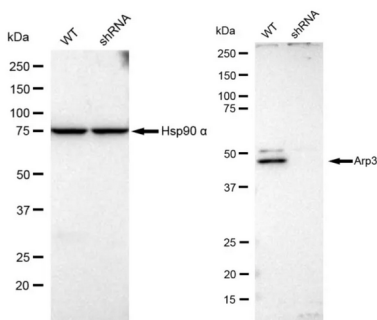
The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through

lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Mar 2013]

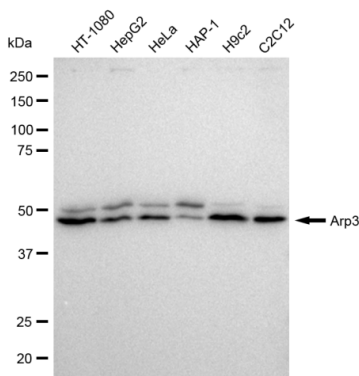
Research Area

Immunology, Tags & Cell Markers

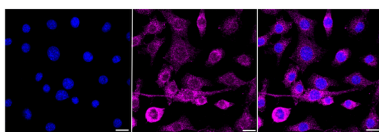
Image Data



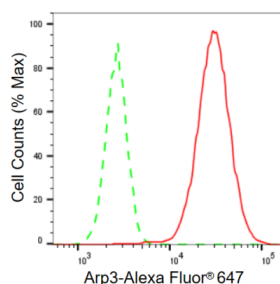
Western blotting analysis using Arp3 antibody (KVA00218). Arp3 expression in wild type (WT) and Arp3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Arp3 antibody (KVA00218, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Arp3 antibody (KVA00218). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Arp3 antibody (KVA00218, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Arp3 antibody (KVA00218, 1:1,000). Nuclei were stained blue with DAPI; Arp3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of Arp3 expression in C2C12 cells using Arp3 antibody (KVA00218, 1:2,000). Green, isotype control; red, Arp3.