
Product Name: KD-Validated Arp2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00268**

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: 44.8kDa

Antigen Information

Gene Name	ACTR2 ACTR2; Actin Related Protein 2; ARP2; ARP2 Actin Related Protein 2 Homolog; Actin-Related
Alternative Names	Protein 2; Actin-Like Protein 2; ARP2 (Actin-Related Protein 2, Yeast) Homolog; ARP2 Actin-Related Protein 2 Homolog (Yeast)
Gene ID	10097.0
SwissProt ID	P61160
Immunogen	A synthesized peptide derived from human Arp2

Background

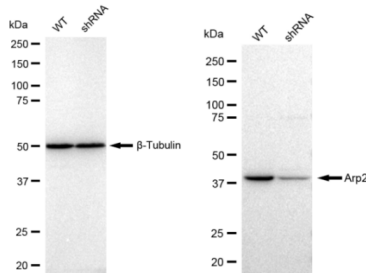
The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through

lamellipodial actin assembly and protrusion. Two transcript variants encoding different isoforms have been found for this gene.
[provided by RefSeq, Jul 2008]

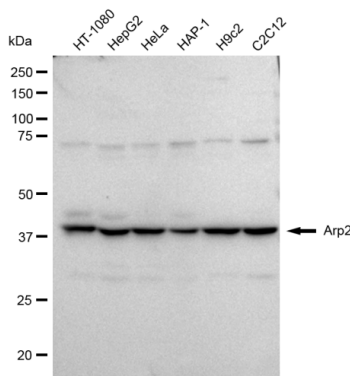
Research Area

Immunology

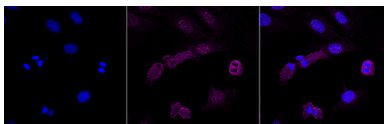
Image Data



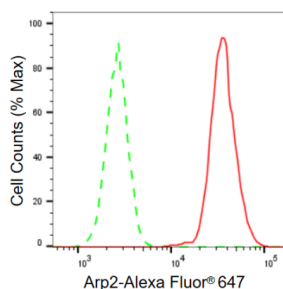
Western blotting analysis using Arp2 antibody (KVA00268). Arp2 expression in wild type (WT) and Arp2 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Arp2 antibody (KVA00268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Arp2 antibody (KVA00268). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Arp2 antibody (KVA00268, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Arp2 antibody (KVA00268, 1:1,000). Nuclei were stained blue with DAPI; Arp2 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 μ m.



Flow cytometric analysis of Arp2 expression in C2C12 cells using Arp2 antibody (KVA00268, 1:2,000). Green, isotype control; red, Arp2.