

ARG55160 anti-ARP2 antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes ARP2 |
| Tested Reactivity | Hu |
| Predict Reactivity | Ms, Rat, Bov, Chk, Xenopus |
| Tested Application | FACS, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ARP2 |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide corresponding to aa. 191-219 (Center) of Human ARP2. |
| Conjugation | Un-conjugated |
| Alternate Names | Actin-related protein 2; Actin-like protein 2; ARP2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | 1:10 - 1:50 |
| | IHC-P | Assay-dependent |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | HeLa | |

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Buffer | PBS and 0.09% (W/V) Sodium azide |
| Preservative | 0.09% (W/V) Sodium azide |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

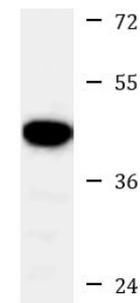
| | |
|-----------------------|--|
| Database links | GeneID: 10097 Human Swiss-port # P61160 Human |
| Gene Symbol | ACTR2 |
| Gene Full Name | ARP2 actin-related protein 2 homolog (yeast) |
| Background | The specific function of this gene has not yet been determined; however, the protein it encodes 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] |
| Function | Functions as ATP-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Seems to contact the pointed end of the daughter actin filament. [UniProt] |
| Research Area | Cancer antibody; Signaling Transduction antibody |
| Calculated Mw | 45 kDa |
| Cellular Localization | Cytoplasm, cytoskeleton. Cell projection |

Images



ARG55160 anti-ARP2 antibody IHC-P image

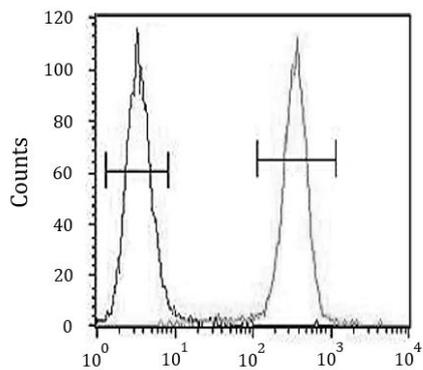
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skeletal muscle stained with ARG55160 anti-ARP2 antibody.



HeLa

ARG55160 anti-ARP2 antibody WB image

Western blot: 35 µg of HeLa cell lysate stained with ARG55160 anti-ARP2 antibody.



ARG55160 anti-ARP2 antibody FACS image

Flow Cytometry: A375 cells stained with ARG55160 anti-ARP2 antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.