

## Anti-Arp2 (C-terminal region) Antibody

Catalog # AN1639

### **Specification**

# Anti-Arp2 (C-terminal region) Antibody - Product Information

Application WB, IHC Primary Accession P61160

Reactivity Bovine, Chicken, Drosophila, C.Elegans

Host Rabbit

Clonality Rabbit Polyclonal

Isotype IgG
Calculated MW 44761

## Anti-Arp2 (C-terminal region) Antibody - Additional Information

Gene ID **10097** 

Other Names ACTR2, Arp2

### Target/Specificity

Cellular morphology, adhesion, and motility occur through dynamic reorganization of actin-based superstructures. Actin-binding proteins are critical for regulating actin polymerization and superstructure formation. The Arp2/3 complex is an actin polymerization-inducing complex that includes Arp2, Arp3, p41-Arc, p34-Arc, p21-Arc, p20-Arc, and p16-Arc. Several nucleation promoting factors, such as WASP and coronin, regulate the activity of the Arp2/3 complex. In addition, the Arp2/3 complex may be regulated by phosphorylation of specific subunits in the complex. Arp2 has two phosphosites, Thr-237 and Thr-238, that are evolutionarily conserved, and are phosphorylated along with Tyr-202 in response to growth factor stimulation. These phosphorylation events may regulate binding to the pointed end of actin filaments, and alanine substitutions of these Arp2 phosphosites inhibit membrane protrusions. Thus, phosphorylation may be another mode of Arp2/3 complex regulation in addition to the activity of nucleation-promoting factors.

### **Dilution**

WB~~1:1000 IHC~~1:100~500

#### **Format**

**Antigen Affinity Purified** 

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

Anti-Arp2 (C-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Shipping**

Blue Ice

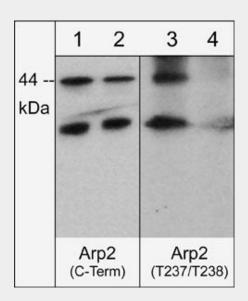


## Anti-Arp2 (C-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-Arp2 (C-terminal region) Antibody - Images



Immunocytochemical labeling of Arp2 phosphorylation in rat PC12 cells differentiated with NGF. The cells were probed with Arp2 (C-terminal region) and Arp2 (Thr-237/Thr-238) rabbit polyclonal antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to Cy3.

# Anti-Arp2 (C-terminal region) Antibody - Background

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