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Product datasheet for TA363129

Arpc2 Rabbit Polyclonal Antibody

Product data:

| Product Type: | Primary Antibodies |
|-------------------------|--|
| Applications: | WB |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of mouse ARPC2 |
| Specificity: | Expected reactivity: Mouse |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers. |
| Concentration: | lot specific |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 33 kDa |
| Gene Name: | actin related protein 2/3 complex, subunit 2 |
| Database Link: | <u>NP_083987.1</u> <u>Entrez Gene 76709 Mouse</u> <u>Q9CVB6</u> |



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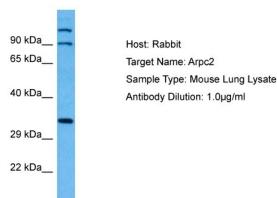
GRIGENE Arpc2 Rabbit Polyclonal Antibody – TA363129

Background: Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. Seems to contact the mother actin filament. In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA. The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs).

Synonyms:

ARC34; p34-Arc; PNAS-139; PRO2446

Product images:



Host: Rabbit Target Name: ARPC2 Sample Tissue: Mouse Lung lysates Antibody Dilution: 1ug/ml

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