

Rabbit Anti-ARPC4/AF350 Conjugated antibody

SL12528R-AF350

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|--------------------------|---|
| Product Name | Anti-ARPC4/AF350 |
| Chinese Name | AF350 标记的肌动蛋白相关蛋白 2/3 亚型 4 抗体 |
| Alias | Actin related protein 2/3 complex subunit 4; Actin related protein 2/3 complex subunit 4 20 kD; Actin related protein 2/3 complex subunit 4 20kDa; Actin-related protein 2/3 complex subunit 4; ARC20; Arp2/3 complex 20 kDa subunit; Arp2/3 protein complex subunit p20; ARPC 4; ARPC4; ARPC4_HUMAN; MGC13544; OTTHUMP00000165252; OTTHUMP00000207520; p20 Arc; p20-ARC; p20ARC. |
| Research Area | Cell biology Signal transduction Binding protein Cytoskeleton |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | (predicted:Human,Mouse,Rat,Chicken,Cow,Rabbit,Zebrafish,Sheep,Xenopus laevis) |
| Applications | ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight | 20kDa |
| Form | Lyophilized or Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human ARPC4/p20-ARC |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Storage Buffer | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| Product Detail | background: |

This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TLL3), which results in the production of a fusion protein. [provided by RefSeq, Nov 2010].

Function:

Functions as actin-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 mother actin filament.

Subunit:

Component of the Arp2/3 complex composed of ARP2, ARP3, ARPC1B/p41-ARC, ARPC2/p34-ARC, ARPC3/p21-ARC, ARPC4/p20-ARC and ARPC5/p16-ARC.

Subcellular Location:

Cytoplasm; cytoskeleton. Cell projection.

Similarity:

Belongs to the ARPC4 family.

Database links:

[Entrez Gene: 10093](#) Human

[Entrez Gene: 68089](#) Mouse

[Entrez Gene: 539459](#) Cow

[Entrez Gene: 100155875](#) Pig

[Entrez Gene: 297518](#) Rat

[Entrez Gene: 114456](#) Zebrafish

[Omim: 604226](#) Human

[SwissProt: Q148J6](#) Cow

[SwissProt: P59998](#) Human

[SwissProt: P59999](#) Mouse



[Unigene: 323342](#) Human

[Unigene: 289306](#) Mouse

[Unigene: 472172](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.