**Product datasheet**

### Anti-ARP2/3 subunit 1B antibody ab99314

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**Overview**

- **Product name**: Anti-ARP2/3 subunit 1B antibody
- **Description**: Rabbit polyclonal to ARP2/3 subunit 1B
- **Host species**: Rabbit
- **Tested applications**: Suitable for: WB, IP
- **Species reactivity**: Reacts with: Mouse, Human
  - Predicted to work with: Rabbit, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan
- **Immunogen**: Synthetic peptide, corresponding to a region between residues 272 and 322 of Human ARP2/3 subunit 1B (NP_005711.1).
- **Positive control**: HeLa, 293T and NIH3T3 cell lysates

**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
- **Storage buffer**: Preservative: 0.09% Sodium azide
  - Constituents: 0.1% BSA, Tris buffered saline
- **Purity**: Immunogen affinity purified
- **Purification notes**: ab99314 was affinity purified using an epitope specific to ARP2/3 Subunit 1B immobilized on solid support.
- **Clonality**: Polyclonal
- **Isotype**: IgG

**Applications**

Our [Abpromise guarantee](#) covers the use of ab99314 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Function

Functions as 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.

Sequence similarities

Belongs to the WD repeat ARPC1 family.
Contains 6 WD repeats.

Cellular localization

Cytoplasm > cytoskeleton.

Images

**Immunoprecipitation - Anti-ARP2/3 subunit 1B antibody (ab99314)**

- ab99314 at 1 µg/ml detecting ARP2/3 subunit 1B in HeLa whole cell lysate by WB following IP.
- Lane 1: ab99314 at 3 µg/mg of lysate
- Lane 2: IP with an antibody which recognizes an downstream epitope of ARP2/3 subunit 1B
- Lane 3: control IgG.
- In each case, 1 mg of lysate was used for IP and 20% of the IP was loaded.
- Detection: Chemiluminescence with an exposure time of 3 seconds.

**Western blot - ARP2/3 subunit 1B antibody (ab99314)**

- All lanes: Anti-ARP2/3 subunit 1B antibody (ab99314) at 0.04 µg/ml
  - Lane 1: HeLa whole cell lysate at 50 µg
  - Lane 2: HeLa whole cell lysate at 15 µg
  - Lane 3: HeLa whole cell lysate at 5 µg
  - Lane 4: 293T cell lysate at 50 µg
  - Lane 5: NIH3T3 cell lysate at 50 µg
- Developed using the ECL technique.
- **Predicted band size**: 41 kDa
- **Exposure time**: 3 minutes
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