

Centrin 1 Polyclonal Antibody

Catalog number: 12794-1-AP

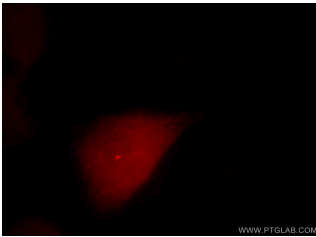
Size: 51 µg/150 µl

Source: Rabbit

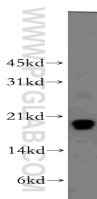
Isotype: IgG

Synonyms:

CETN1; Caltractin isoform 2, CEN1, Centrin 1, centrin, EF hand protein, 1, CETN, CETN1



Immunofluorescent analysis of HeLa cells, using CETN1 antibody 12794-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



HL-60 cells were subjected to SDS PAGE followed by western blot with 12794-1-AP (CETN1 antibody) at dilution of 1:300

Background

EF-hand type Ca²⁺-binding proteins consists of several family members, including Centrin-1, Centrin-2 and Centrin-3. The Centrin proteins are ubiquitously expressed cytoskeletal components that show increased expression during cell differentiation. Centrin-1 plays important roles in the determination of centrosome position and segregation, and in the process of microtubule severing. Centrin-1 is localized to the centrosome of interphase cells, and redistributes to the region of the spindle poles during mitosis, reflecting the dynamic behavior of the centrosome during the cell cycle.

Applications

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|--------------------------|------------------------------------|
| Tested applications: | ELISA, WB, IF |
| Cited applications: | IF, WB |
| Species specificity: | Human; other species not tested. |
| Cited species: | Human, mouse |
| Calculated Centrin 1 MW: | 172aa, 20 kDa |
| Observed Centrin 1 MW: | 20 kDa |
| Positive WB detected in | HL-60 cells, human heart tissue |
| Positive IF detected in | HeLa cells |
| Recommended dilution: | WB: 1:500-1:5000 IF: 1:10-1:100 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

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|---------------------------|-----------------------------|
| Immunogen: | Ag3529 |
| GenBank accession number: | BC029515 |
| Gene ID (NCBI): | 1068 |
| Full name: | Centrin, EF-hand protein, 1 |

Product information

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|----------------------|--|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |