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## Anti-Pericentrin antibody (ab4448)

|                                  |   |
|----------------------------------|---|
| Product Name                     | Anti-Pericentrin antibody   |
| Product type                     | Primary antibodies  |
| Description                      | Rabbit polyclonal to Pericentrin  |
| Immunogen                        | The pericentrin clone used is 1.7 kb in size and is derived from within residues 100-600 of mouse pericentrin 1. It was expressed as a fusion protein. The corresponding amino acids are present in both pericentrin and kendrin (pericentrin-2) so this antibody is predicted to cross-react with both isoforms. |
| Reacts with<br>(species key)     | Hu, Ms, Rat, Rb   |
| Specificity                      | This antibody should recognise both Pericentrin and Kendrin (also known as Pericentrin-2).  |
| Tested applications<br>(see key) | ICC/IF, IHC-FoFr, IHC-P, IHC-P, WB  |

**Abreviews** [Submit an Abreview](#) and earn up to 220 Abpoints by reviewing this product

Customer reviews  
(see key)



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- ICC [2 Abreviews](#) - average rating: ★ ★ ★ ★ ★
- ICC/IF [11 Abreviews](#) - average rating: ★ ★ ★ ★ ★
- IHC-P [1 Abreview](#) - average rating: ★ ★ ★ ★ ★



ICC/IF  
(read Abreview)



ICC/IF  
(read Abreview)



ICC/IF  
(read Abreview)



ICC/IF  
(read Abreview)

**Application notes**  
(see key)

**Recommended dilutions**  
ICC/IF: Use at a concentration of 1 µg/ml.  
IHC-P: 1/4500.  
IHC-FoFr: Use at an assay dependent dilution.  
IHC-Methanol: Use at an assay dependent concentration (PMID 20144789).  
WB: 1/1000.

Not yet tested in other applications.  
Optimal dilutions/concentrations should be determined by the end user.

**Positive control**  
(see definition)

MCF7 and NIH3T3 cells

**Cellular localization**

Cytoplasm; cytoskeleton; centrosome. Note: Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization. Colocalized with DISC1 at the centrosome

**Research areas**

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[Cell Biology](#) >> [Cell Cycle](#) >> [Cell Division](#) >> [Spindle](#)

**Relevance**

Pericentrin is an integral component of the pericentriolar material (PCM) and is composed of a coiled-coil central region flanked by non-helical N- and C-terminals. It is an integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays.

**Database links**

|        |   |           |  |
|--------|---|-----------|--|
| Entrez | <a href="#">5116</a>                        | SwissProt | <a href="#">O95613</a>                       |
| Gene   | (Human)<br><a href="#">18541</a><br>(Mouse) |           | (Human)<br><a href="#">P48725</a><br>(Mouse) |
| Omim   | <a href="#">605925</a><br>(Human)           |           |  |

