



Pericentrin 2 (M-20): sc-28147

BACKGROUND

Pericentrin 2, also known as Pericentrin B or Kendrin, is an integral component of the pericentriolar material. The protein localizes specifically to centrosomes throughout all stages of the cell cycle. The protein remains centrosomal following microtubule depolymerization. Pericentrin 2 binds calmodulin and is widely expressed in most tissues, including kidney, placenta, liver and thymus.

REFERENCES

1. SWISS-PROT/TrEMBL (O95613). World Wide Web URL: <http://www.expasy.ch/sprot/sprot-top.html>
2. <http://harvester.embl.de/harvester/O956/O95613.htm>
3. Flory M.R. et al. 2000. Identification of a human centrosomal calmodulin-binding protein that shares homology with pericentrin. Proc. Natl. Acad. Sci. USA. 11:5919-23.
4. Chen, D., et al. 2004. Centrosomal anchoring of protein kinase C beta11 by pericentrin controls microtubule organization, spindle function, and cytokinesis. J. Biol. Chem. 279: 4829-4839. PMID 14594954.
5. Flory, M.R., et al. 2003. The centrosomal proteins pericentrin and kendrin are encoded by alternatively spliced products of one gene. Genomics. 82: 401-405. PMID 12906865.
6. Flory, M.R., et al. 2000. Identification of a human centrosomal calmodulin-binding protein that shares homology with pericentrin. Proc. Natl. Acad. Sci. USA. 97: 5919-5923. PMID 10823944.

SOURCE

Pericentrin 2 (M-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Pericentrin 2 of mouse origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-28147 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

Pericentrin 2 (M-20) is recommended for detection of Pericentrin 2 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Pericentrin 2 siRNA (m): sc-45457.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.