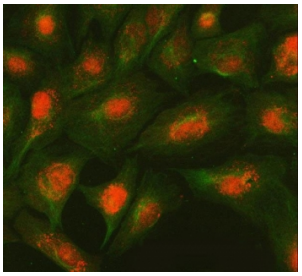
SMC2 Antibody / Structural maintenance of chromosomes protein 2 (RQ7719)

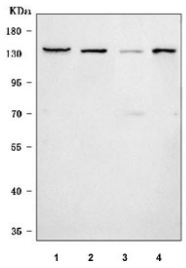
Catalog No.	Formulation	Size
RQ7719	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

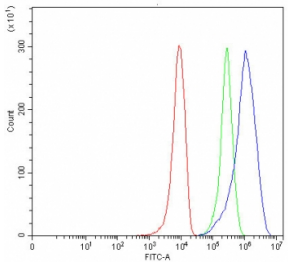
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95347
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SMC2 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with SMC2 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human HeLa, 3) rat C6 and 4) mouse NIH 3T3 cell lysate with SMC2 antibody. Predicted molecular weight ~136 kDa.



Flow cytometry testing of human 293T cells with SMC2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SMC2 antibody.

Description

Structural maintenance of chromosomes protein 2 (SMC-2) also known as chromosome-associated protein E (CAP-E) is a protein that in humans is encoded by the SMC2 gene. Predicted to enable ATP binding activity; chromatin binding activity; and single-stranded DNA binding activity. Involved in mitotic chromosome condensation. Located in condensed chromosome; cytoplasm; and nuclear lumen. Part of condensin complex.

Application Notes

Optimal dilution of the SMC2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids L359-K1071) was used as the immunogen for the SMC2 antibody.

Storage

After reconstitution, the SMC2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com