

Anti-SMC4 antibody (1189-1288) [S7MR] (STJ11101897)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

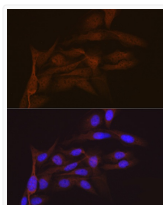
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 147kDa Observed Mw: 180kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

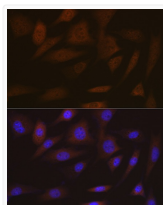
Gene ID	10051
Gene Symbol	SMC4
UniProt ID	SMC4_HUMAN
Immunogen Region	1189-1288
Immunogen Sequence	FNLSGGEKTLSSLALVFALH HYKPTPLYFMDEIDAALDFK NVSIVAFYIEQTKNAQFII ISLRNNMFEISDRDIGIYKT YNITKSVAVNPKEIASKGLC
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1189-1288 of human SMC4 (Q9NTJ3).

ADDITIONAL INFORMATION

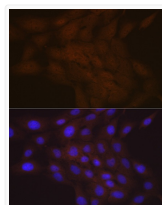
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
------	---



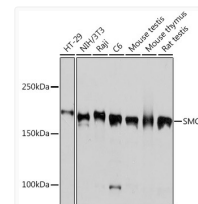
Immunofluorescence analysis of U-2 OS cells using SMC4 Rabbit monoclonal antibody (STJ11101897) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using SMC4 Rabbit monoclonal antibody (STJ11101897) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using SMC4 Rabbit monoclonal antibody (STJ11101897) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using SMC4 Rabbit monoclonal antibody (STJ11101897) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.