

SCP-2 Polyclonal Antibody

Catalog # AP73299

Product Information

Application	WB, E, IHC-P
Primary Accession	Q9BX26
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	175639

Additional Information

Gene ID	10388
Other Names	SYCP2; SCP2; Synaptonemal complex protein 2; SCP-2; Synaptonemal complex lateral element protein; hsSCP2
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

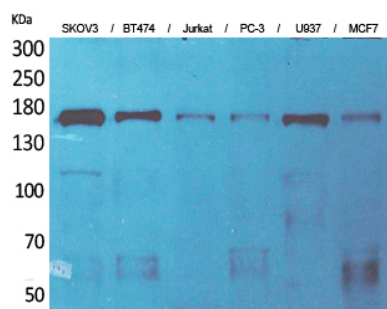
Protein Information

Name	SYCP2
Synonyms	SCP2
Function	Major component of the axial/lateral elements of synaptonemal complexes (SCS) during meiotic prophase. Plays a role in the assembly of synaptonemal complexes. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility. Required for insertion of SYCP3 into synaptonemal complexes. May be involved in the organization of chromatin by temporarily binding to DNA scaffold attachment regions. Requires SYCP3, but not SYCP1, in order to be incorporated into the axial/lateral elements.
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q9CUU3}. Chromosome {ECO:0000250 UniProtKB:Q9CUU3}. Note=In axial/lateral elements of the tripartite segments of synaptonemal complexes {ECO:0000250 UniProtKB:Q9CUU3}

Background

Major component of the axial/lateral elements of synaptonemal complexes (SCS) during meiotic prophase. Plays a role in the assembly of synaptonemal complexes. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility. Required for insertion of SYCP3 into synaptonemal complexes. May be involved in the organization of chromatin by temporarily binding to DNA scaffold attachment regions. Requires SYCP3, but not SYCP1, in order to be incorporated into the axial/lateral elements.

Images



Western Blot analysis of SKOV3, BT474, Jurkat, PC-3, U937, MCF7 cells using SCP-2 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.