

Immunotag™ SCP-2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5116
Product Description	Immunotag™ SCP-2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SCP-2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the Internal region of human SCP-2.
Specificity	SCP-2 Polyclonal Antibody detects endogenous levels of SCP-2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SYCP2
Accession No.	Q9BX26 Q9CUU3
Alternate Names	SYCP2; SCP2; Synaptonemal complex protein 2; SCP-2; Synaptonemal complex lateral element protein; hsSCP2

Antibody Specification

Description	synaptonemal complex protein 2(SYCP2) Homo sapiens The synaptonemal complex is a proteinaceous structure that links homologous chromosomes during the prophase of meiosis. The protein encoded by this gene is a major component of the synaptonemal complex and may bind DNA at scaffold attachment regions. The encoded protein requires synaptonemal complex protein 3, but not 1, for inclusion in the synaptonemal complex. [provided by RefSeq, Jul 2008],
Protein Expression	Kidney,Testis,
Subcellular Localization	synaptonemal complex,lateral element,nucleus,
Protein Function	function:Major component of the axial/lateral elements of synaptonemal complexes (SCS) during meiotic prophase. 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.,similarity:Belongs to the SYCP2 family.,subcellular location:In axial/lateral elements of the tripartite segments of synaptonemal complexes.,subunit:Heterodimer with SYCP3. Interacts with SYCP3, SMC1A and SMC3.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.