ARG10899
anti-SCP3 antibody [Cor 10G11/7]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [Cor 10G11/7] recognizes SCP3
Tested Reactivity	Ms, Hm, Zfsh
Tested Application	ELISA, ICC/IF, IHC, WB
Host	Mouse
Clonality	Monoclonal
Clone	Cor 10G11/7
Target Name	SCP3
Species	Hamster
Immunogen	Hamster SCP3 protein (expressed as 6x His fusion in bacteria and purified on a Talon under denaturing conditions).
Conjugation	Un-conjugated
Alternate Names	Synaptonemal complex protein 3; SPGF4; COR1; SCP-3; SCP3

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
ICC/IF	Assay-dependent
IHC	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

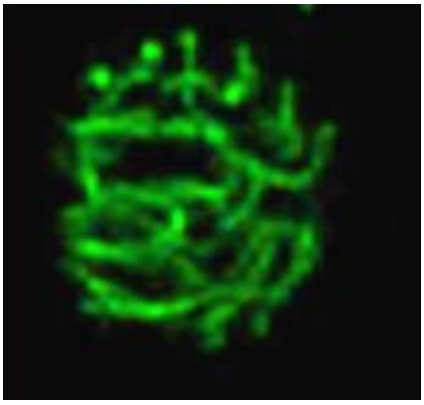
Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SYCP3
Gene Full Name	synaptonemal complex protein 3
Background	This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010]
Function	Component of the transverse filaments of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Has an essential meiotic function in spermatogenesis. May be important for testis development. Required for efficient phosphorylation of HORMAD1 and HORMAD2 (By similarity). [UniProt]
Calculated Mw	28 kDa
PTM	Phosphorylated. [UniProt]

Images



ARG10899 anti-SCP3 antibody [Cor 10G11/7] ICC/IF image

Immunofluorescence: Mouse germ cells stained with ARG10899 anti-SCP3 antibody [Cor 10G11/7].