

SMCP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57760**Specification**

SMCP Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P49901
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12767

SMCP Polyclonal Antibody - Additional Information**Gene ID** 4184**Other Names**

Sperm mitochondrial-associated cysteine-rich protein, SMCP, MCS, MCSP

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SMCP Polyclonal Antibody - Protein Information**Name** SMCP**Synonyms** MCS, MCSP**Function**

Involved in sperm motility. Its absence is associated with genetic background dependent male infertility. Infertility may be due to reduced sperm motility in the female reproductive tract and inability to penetrate the oocyte zona pellucida (By similarity).

Cellular LocationCytoplasm. Mitochondrion membrane; Peripheral membrane protein; Cytoplasmic side.
Note=Becomes associated with the spermatid mitochondrion capsule at step 16 of spermatogenesis.

Tissue Location

Testis. Is selectively expressed in the spermatids of seminiferous tubules.

SMCP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SMCP Polyclonal Antibody - Images