

SPESP1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56777**Specification**

SPESP1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6UW49
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38931

SPESP1 Polyclonal Antibody - Additional Information**Gene ID** 246777**Other Names**

Sperm equatorial segment protein 1 {ECO:0000312|HGNC:HGNC:15570}, SP-ESP, Equatorial segment protein, ESP, Glycosylated 38 kDa sperm protein C-7/8, SPESP1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=15570)
HGNC:15570

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.

SPESP1 Polyclonal Antibody - Protein Information**Name** SPESP1 ([HGNC:15570](#))**Function**

Involved in fertilization ability of sperm.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome. Note=Small proacrosomal granules (during the Golgi phase), enlarged acrosomal vesicles (during the cap phase), acrosome (during the elongating phase), equatorial segment of the acrosome (during the maturation phase) (PubMed:12773409). After acrosome reaction localizes to the equatorial segment region in both

noncapacitated and capacitated, acrosome-reacted sperm (By similarity)
{ECO:0000250|UniProtKB:Q9D5A0, ECO:0000269|PubMed:12773409}

Tissue Location

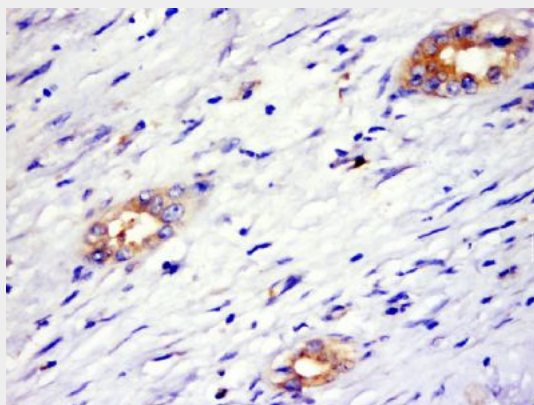
Highly expressed in testis, where it is localized in the acrosome of postmeiotic stages of spermiogenesis (round and elongating spermatids and in ejaculated spermatozoa) (at protein level). Poorly expressed in placenta and fetal lung

SPESP1 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](#)

SPESP1 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SPESP1) Polyclonal Antibody, Unconjugated (bs-17655R) at 1:800 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.