



Rabbit Anti-SPAG11B antibody

SL17618R

Product Name:	SPAG11B
Chinese Name:	精子相关抗原11B抗体
Alias:	EP2; EP2C; EP2D; Epididymal protein 2; HE2; HE2C; Protein EP2; SPAG11; Sperm antigen HE2; Sperm associated antigen 11; Sperm associated antigen 11B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	9kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPAG11B:41-103/103
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	SPAG11B is a 103 amino acid precursor protein that exists as four alternatively spliced isoforms, designated EP2A, EP2B, EP2C and EP2D, all of which are androgen-dependent, epididymis-specific secretory proteins that may play a role in sperm maturation and overall function. The gene encoding the SPAG11B precursor maps to a region on chromosome 8 that is near the β -defensin gene cluster and it is suggested that SPAG11B may exhibit functional characteristics (such as antimicrobial activity) that

are similar to β -defensins. Human chromosome 8, on which the SPAG11B gene is localized, consists of nearly 146 million base pairs and houses more than 800 genes, some of which are associated with a variety of diseases and malignancies.

Function:

SPAG11B belongs to the SPAG11 family. The specific function of SPAG11B has not been determined, but it is thought to be involved in sperm maturation. It is specifically expressed in caput and proximal corpus of epididymis and is present in the epididymal epithelium and on the sperm surface, with a subacrosomal equatorial distribution on the sperm head. There are two named isoforms.

Subcellular Location:

Secreted

Tissue Specificity:

Specifically expressed in caput and proximal corpus of epididymis. Present in the epididymal epithelium and on the sperm surface, with a subacrosomal equatorial distribution on the sperm head.

Similarity:

Belongs to the SPAG11 family.

SWISS:

Q08648

Gene ID:

10407

Database links:

[Entrez Gene: 10407](#) Human

[SwissProt: Q08648](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.