

Eppin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58005

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9DA01
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15470

Additional Information

Gene ID	75526
Other Names	Eppin, Epididymal protease inhibitor, Serine protease inhibitor-like with Kunitz and WAP domains 1, Eppin, Spinlw1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	Eppin
Synonyms	Spinlw1
Function	Serine protease inhibitor that plays an essential role in male reproduction and fertility. Modulates the hydrolysis of SEMG1 by KLK3/PSA (a serine protease), provides antimicrobial protection for spermatozoa in the ejaculate coagulum, and binds SEMG1 thereby inhibiting sperm motility (By similarity).
Cellular Location	Secreted. Cell surface. Note=Present on the surface of spermatozoa both before and after capacitation
Tissue Location	Expressed in differentiated spermatogonia in testis. Expressed in spermatogonia cell lines GC-1 spg and GC-2spd(ts) as well as in the Leydig tumor cell line MLTC-1 (at protein level) Expressed specifically in epididymis and testis. Expressed predominantly on the postacrosomal region of mouse spermatozoa, in Sertoli cells, Leydig cells, and round spermatids in the testis, and in the principal cells of the cauda epididymidis epithelium

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