

EDDM3A Rabbit pAb

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Catalog # AP55602

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14507
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17646
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EDDM3A
Epitope Specificity	31-130/147
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Testicular sperm are morphologically differentiated but are not progressively motile nor able to fertilize an egg. Post-testicular maturation requires exposure of spermatozoa to the microenvironment of the epididymal lumen. Spermatozoa undergo extensive changes in the epididymis, including enzymatic modifications, loss of pre-existing components and addition of new glycoproteins from epididymal secretions. These modifying proteins and enzymes are synthesized by epithelial cells lining the epididymal duct and secreted apically into the lumen, where they come into contact with, and may be absorbed onto, the sperm membranes. The proteins encoded by the genes in this cluster are synthesized and secreted by epididymal epithelial cells. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	10876
Other Names	Epididymal secretory protein E3-alpha, Human epididymis-specific protein 3-alpha, HE3-alpha, EDDM3A, FAM12A, HE3A
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

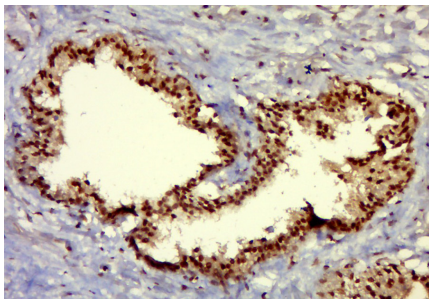
Protein Information

Name	EDDM3A
Synonyms	FAM12A, HE3A
Function	Possible function in sperm maturation.
Cellular Location	Secreted.
Tissue Location	Epididymis, with predominant expression in the corpus region. Moderately expressed in the vas deferens; only low levels are detectable in the caput and cauda regions

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Images



Paraformaldehyde-fixed, paraffin embedded (human prostate); 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 (EDDM3A) Polyclonal Antibody, Unconjugated (AP55602) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.