ACR Antibody / Acrosin (F51511)

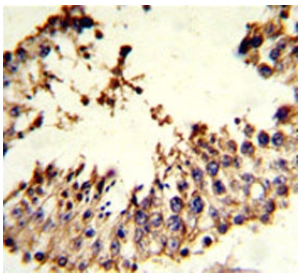
Catalog No.	Formulation	Size
F51511-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51511-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

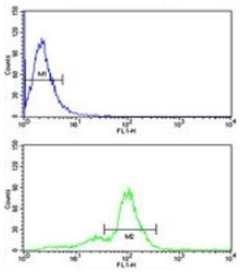
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P10323
Localization	Cytoplasmic
Applications	Western blot: 1:250-1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This ACR antibody is available for research use only.



Western blot analysis of ACR antibody and human T47D lysate. Predicted molecular weight ~46 kDa.



IHC analysis of FFPE human testis tissue stained with ACR antibody



ACR antibody flow cytometric analysis of human MDA-MB231 cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

Acrosin is the major proteinase present in the acrosome of mature spermatozoa. It is a typical serine proteinase with trypsin-like specificity. It is stored in the acrosome in its precursor form, proacrosin. The active enzyme functions in the lysis of the zona pellucida, thus facilitating penetration of the sperm through the innermost glycoprotein layers of the ovum. The mRNA for proacrosin is synthesized only in the postmeiotic stages of spermatogenesis. In humans proacrosin first appears in the haploid spermatids.

Application Notes

Titration of the ACR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 99-127 from the human protein was used as the immunogen for this ACR antibody.

Storage

Aliquot the ACR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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