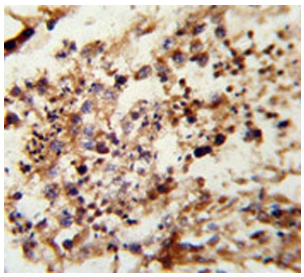
Acrosin Antibody / ACR (F51510)

Catalog No.	Formulation	Size
F51510-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51510-0.08ML	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 : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This Acrosin antibody is available for research use only.

Western blot analysis of Acrosin antibody and human Jurkat lysate. Predicted molecular weight ~46 kDa.



IHC analysis of FFPE human testis tissue stained with Acrosin antibody

Description

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

Immunogen

A portion of amino acids 387-416 from the human protein was used as the immunogen for this Acrosin antibody.

Storage

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