



Acrosin Polyclonal Antibody

Catalog No	YP-Ab-03345
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	ACR
Immunogen	Synthesized peptide derived from Acrosin . at AA range: 40-120
Specificity	Acrosin Polyclonal Antibody detects endogenous levels of Acrosin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p: 100-300.WB: 1/500 - 1/2000. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Acr;ACRO_HUMAN;Acrosin heavy chain;Acrosin precursor;ACRS; Preproacrosin;Proacrosin;Acrosin
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	acrosomal vesicle,extracellular region,nucleus,Golgi-associated vesicle, acrosomal matrix,protein complex,
Tissue Specificity	Leukocyte,Testis,
Function	catalytic activity:Preferential cleavage: Arg- -Xaa, Lys- -Xaa.,function:Acrosin is the major protease of mammalian spermatozoa. It is a serine protease of trypsin-like cleavage specificity, it is synthesized in a zymogen form, proacrosin and stored in the acrosome.,similarity:Belongs to the peptidase S1 family., similarity:Contains 1 peptidase S1 domain.,subunit:Heavy chain (catalytic) and a light chain linked by two disulfide bonds.,
Background	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. [provided by RefSeq, Jul 2008],

matters needing attention

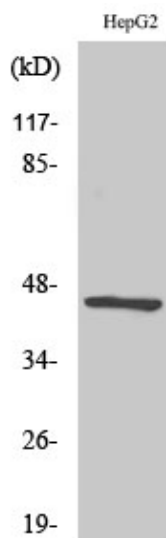
Avoid repeated freezing and thawing!

Usage suggestions

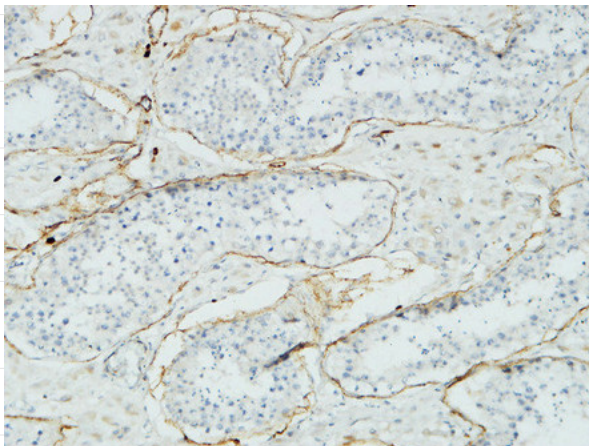
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



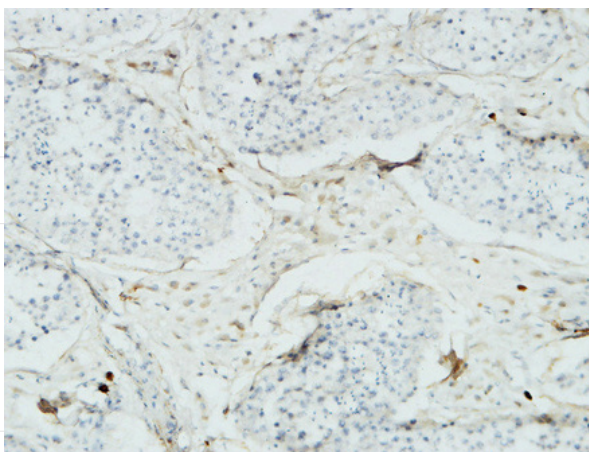
Products Images



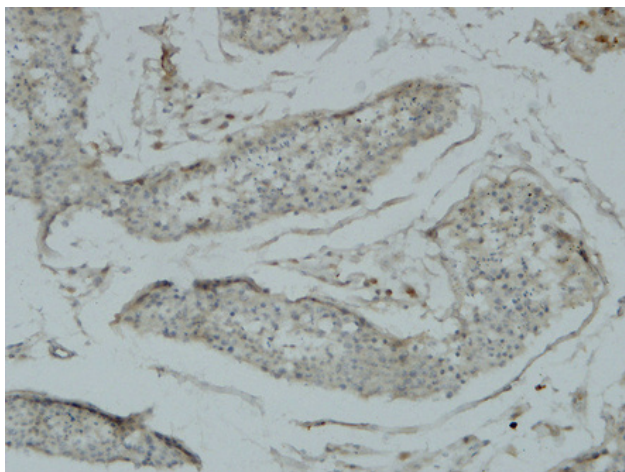
Western Blot analysis of various cells using Acrosin Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



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