

## Rabbit anti-Human Acrosin Polyclonal Antibody | anti-ACR antibody

Acrosin Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA322472 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

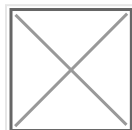
### PRODUCT SYNONYMS

Acrosin; Polyclonal Antibody; Acrosin Antibody; Acr; ACRO\_HUMAN; Acrosin heavy chain; Acrosin precursor; ACRS; Preproacrosin; Proacrosin; anti-ACR antibody

### PRODUCT SPECIFICATIONS

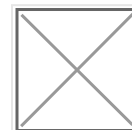
|                                               |                                                                                                          |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                   |
| Reactivity                                    | Human                                                                                                    |
| Clonality                                     | Polyclonal                                                                                               |
| Isotype                                       | IgG                                                                                                      |
| Specificity                                   | Acrosin antibody detects endogenous levels of total Acrosin                                              |
| Purity/Purification                           | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                   | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                               | 421                                                                                                      |
| Applicable Applications for anti-ACR antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                     | A synthesized peptide derived from human Acrosin                                                         |
| Predicted Cross Reactivity                    | <b>Pig, Bovine, Horse, Sheep, Rabbit</b>                                                                 |
| Similarity                                    | Pig (89%), Bovine (89%), Horse (100%), Sheep (89%), Rabbit (100%)                                        |
| Conjugation                                   | Unconjugated                                                                                             |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |

### IMAGES



#### IHC (Immunohistochemistry)

AAA322472 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA322472 staining HEPG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



#### WB (Western Blot)

Western blot analysis of Acrosin using COLO205 whole cell lysates

## ADDITIONAL INFORMATION

### Related Product Information for anti-ACR antibody

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.  
Subunit Structure: Heavy chain (catalytic) and a light chain linked by two disulfide bonds. Forms a heterodimer with SERPINA5.  
Similarity: Belongs to the peptidase S1 family.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | <a href="#">148613878</a>                       |
| NCBI GeneID                      | <a href="#">49</a>                              |
| NCBI Accession #                 | <a href="#">NP_001088.2</a>                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001097.2</a>                     |
| UniProt Accession #              | <a href="#">P10323</a> ; <a href="#">Q6ICK2</a> |
| Molecular Weight                 | Observed: 45 kDa<br>Predicted: 46 kDa           |
| NCBI Official Full Name          | acrosin                                         |
| NCBI Official Synonym Full Names | acrosin                                         |
| NCBI Official Symbol             | ACR                                             |
| NCBI Protein Information         | acrosin                                         |
| UniProt Protein Name             | Acrosin                                         |
| UniProt Gene Name                | <b>ACR</b>                                      |
| UniProt Synonym Gene Names       | ACRS                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acrosin-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322472>