

Datasheet for ABIN5647946

**anti-Acrosin antibody (AA 387-416)**[Go to Product page](#)**1** Image

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.08 mL  |
| Target:              | Acrosin (ACR)  |
| Binding Specificity: | AA 387-416   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Acrosin antibody is un-conjugated                   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | A portion of amino acids 387-416 from the human protein was used as the immunogen for this Acrosin antibody. |
| Isotype:      | Ig Fraction  |
| Purification: | Purified   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | Acrosin (ACR)   |
| Alternative Name: | ACR / Acrosin ( <a href="#">ACR Products</a> )  |
| Background:       | 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 |

Target Details

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.

|           |                        |
|-----------|------------------------|
| UniProt:  | P10323                 |
| Pathways: | cAMP Metabolic Process |

Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Western blot: 1:1000,IHC (Paraffin): 1:50-1:100 |
| Restrictions:      | For Research Use only                           |

Handling

|                    |  |
|--------------------|--|
| Buffer:            | In 1X PBS, pH 7.4, with 0.09 % sodium azide  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Aliquot the Acrosin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.                   |

Images



**Western Blotting**

**Image 1.** Western blot analysis of Acrosin antibody and human Jurkat lysate. Predicted molecular weight ~46 kDa.