

Datasheet for ABIN5647947
anti-Acrosin antibody (AA 99-127)[Go to Product page](#)

2 Images

Overview

Quantity:	0.08 mL
Target:	Acrosin (ACR)
Binding Specificity:	AA 99-127
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 99-127 from the human protein was used as the immunogen for this ACR antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	Acrosin (ACR)
Alternative Name:	ACR / Acrosin (ACR Products)
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

Target Details

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: 1:250-1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

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

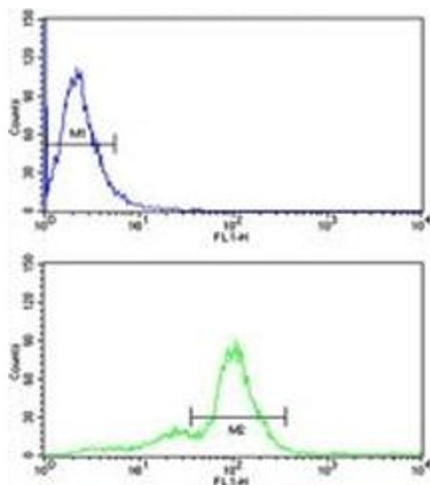
Storage Comment: Aliquot the ACR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of ACR antibody and human T47D lysate. Predicted molecular weight ~46 kDa.



Flow Cytometry

Image 2. 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.