Datasheet for ABIN5530383

anti-Achaete-scute complex protein T5 (AC) (AA 99-127) antibody

3 Images

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Overview

Quantity:	400 µL
Target:	Achaete-scute complex protein T5 (AC)
Binding Specificity:	AA 99-127
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This ACR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-127 amino acids from the Central region of human ACR.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	Achaete-scute complex protein T5 (AC)
Alternative Name:	AC (AC Products)
Background:	ACR is the major proteinase present in the acrosome of mature spermatozoa. It is a typical

Target Details

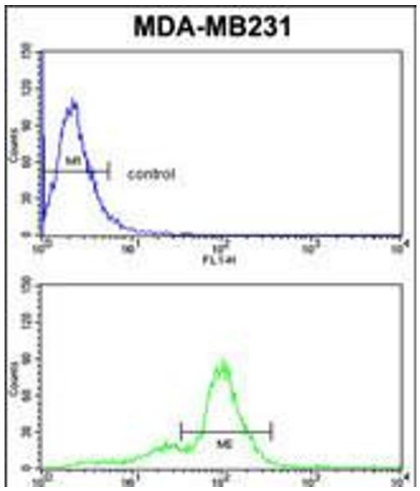
	serine proteinase with trypsin-like specificity. It is stored in the acrosome in its precursor form, proacrosin. The active enzyme functions in the lysis of the zona pellucida, thus facilitating penetration of the sperm through the innermost glycoprotein layers of the ovum. The mRNA for proacrosin is synthesized only in the postmeiotic stages of spermatogenesis. In humans proacrosin first appears in the haploid spermatids.
Molecular Weight:	46 kDa
Gene ID:	49
UniProt:	P10323

Application Details

Application Notes:	For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100 For FACS starting dilution is: 1:10~50
Restrictions:	For Research Use only

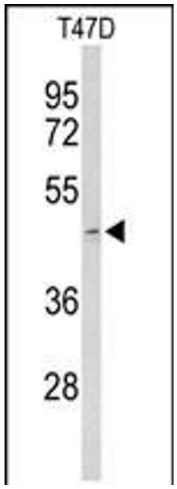
Handling

Format:	Liquid
Concentration:	2 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



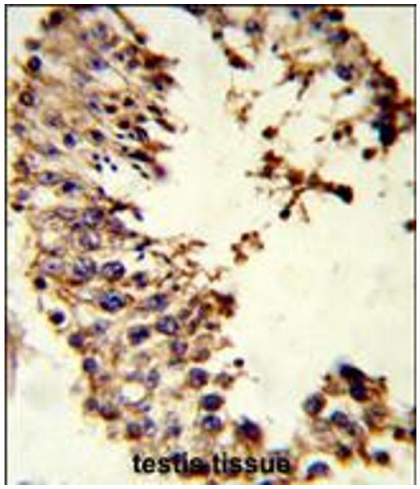
Flow Cytometry

Image 1. Flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of ACR Antibody in T47D cell line lysates (35ug/lane)



Immunohistochemistry

Image 3. Formalin-fixed and paraffin-embedded human testis tissue reacted with ACR Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.