

Datasheet for ABIN2854573

**anti-ACRV1 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	ACRV1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACRV1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Acrosomal vesicle protein. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Rabbit Polyclonal antibody to Acrosomal vesicle protein (acrosomal vesicle protein 1) Acrosomal vesicle protein antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	ACRV1
Alternative Name:	acrosomal vesicle protein 1 ( <a href="#">ACRV1 Products</a> )

## Target Details

**Background:** This gene encodes a testis-specific, differentiation antigen, acrosomal vesicle protein 1, that arises within the acrosomal vesicle during spermatogenesis, and is associated with the acrosomal membranes and matrix of mature sperm. This gene consists of 4 exons and its alternative splicing generates multiple distinct transcripts, which encode protein isoforms ranging from 81 to 265 amino acids. The longest transcript is the most abundant, comprising 53-72 % of the total acrosomal vesicle protein 1 messages, the second largest transcript comprises 15-32 %, the third and the fourth largest transcripts account for 3.4-8.3 % and 8.7-12.5 %, respectively, and the remaining transcripts combined account for < 1 % of the total acrosomal vesicle protein 1 message. It is suggested that phenomena of cryptic splicing and exon skipping occur within this gene. The acrosomal vesicle protein 1 may be involved in sperm-zona binding or penetration, and it is a potential contraceptive vaccine immunogen for humans.

Cellular Localization: Acrosome

**Molecular Weight:** 28 kDa

**Gene ID:** 56

**UniProt:** [P26436](#)

## Application Details

**Application Notes:** WB: 1:5000-1:20000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: mouse testis

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** 1XPBS ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

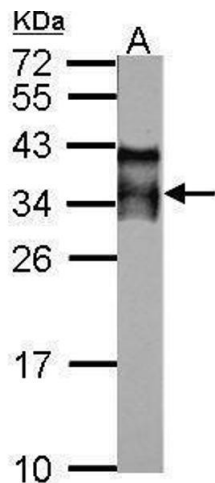
**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** WB Image Sample (50 ug of whole cell lysate) A: mouse testis 12% SDS PAGE antibody diluted at 1:10000