

## Product datasheet for **TA335863**

### ACRV1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-ACRV1 Antibody: synthetic peptide directed towards the N terminal of human ACRV1. Synthetic peptide located within the following region: MNRLLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGEFFSLENPS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29 kDa
Gene Name:	acrosomal vesicle protein 1
Database Link:	<a href="#">NP_001603</a> <a href="#">Entrez Gene 56 Human</a> <a href="#">P26436</a>



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**Background:**

ACRV1 is 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. The acrosomal vesicle protein 1 may be involved in sperm-zona binding or penetration, and it is a potential contraceptive vaccine immunogen for humans. 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.

**Synonyms:**

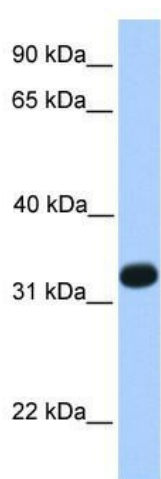
D11S4365; SP-10; SPACA2

**Note:**

Immunogen Sequence Homology: Human: 100%; Rabbit: 85%; Pig: 79%; Guinea pig: 79%

**Protein Families:**

Druggable Genome

**Product images:**

WB Suggested Anti-ACRV1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Liver