

Datasheet for ABIN2785464

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

Overview

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|----------------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | ACRV1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Guinea Pig, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ACRV1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human ACRV1 |
| Sequence: | MNRFLLMSL YLLGSARGTS SQPNELSGSI DHQTSVQQLP GEFFSLENPS |
| Predicted Reactivity: | Guinea Pig: 79%, Human: 100%, Rabbit: 85% |
| Characteristics: | This is a rabbit polyclonal antibody against ACRV1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | ACRV1 |
| Alternative Name: | ACRV1 (ACRV1 Products) |

Target Details

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| Background: | <p>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.</p> <p>Alias Symbols: D11S4365, SP-10, SPACA2</p> <p>Protein Size: 265</p> |
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| Molecular Weight: | 29 kDa |
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| Gene ID: | 56 |
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| NCBI Accession: | NM_001612 , NP_001603 |
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| UniProt: | P26436 |
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Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
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| Comment: | Antigen size: 265 AA |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | Lot specific |
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| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % |
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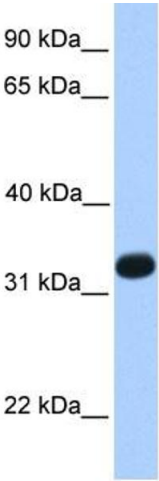
Handling

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| | sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Publications

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| Product cited in: | Reddi, Shore, Acharya, Herr: "Transcriptional regulation of spermiogenesis: insights from the study of the gene encoding the acrosomal protein SP-10." in: Journal of reproductive immunology , Vol. 53, Issue 1-2, pp. 25-36, (2001) (PubMed). |
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Images



Western Blotting

Image 1. WB Suggested Anti-ACRV1 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Liver