# spr-1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | spr-1, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-Caenorhabditis elegans spr-1 Polyclonal Antibody |
| **Product Gene Name** | anti-spr-1 antibody |
| **Product Synonym Names** | spr-1 Antibody; REST corepressor spr-1; CoREST; Suppressor of presenilin 1; spr-1 slr-10 D1014.8 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Caenorhabditis elegans |
| **Form/Format** | Liquid<br>Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH7.4 |
| **Purity/Purification** | Antigen-affinity |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 63,755 Da |
| **3D Structure** | ModBase 3D Structure for Q18919 |
| **Immunogen** | Recombinant Caenorhabditis elegans spr-1 protein |
| **Conjugation** | Non-conjugate |
| **Modification** | Unmodified |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-spr-1 antibody** | ELISA (EIA), WB (Western Blot) (ensure identification of antigen) |
| **Related Product Information for anti-spr-1 antibody** | MBS7190723 is an antibody targeting spr-1. Also known as Rabbit anti-Caenorhabditis elegans spr-1 Polyclonal Antibody. Reactive in Caenorhabditis elegans. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-spr-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for spr-1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 17559092 |
| **NCBI GeneID** | 179192 |
| **NCBI Accession #** | NP_505098.1 |
| **UniProt Primary Accession #** | Q18919 |
| **UniProt Related Accession #** | Q18919 |

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| **GenBank Nucleotide #** | NM_072697.4 |
| **NCBI Official Full Name** | REST corepressor spr-1 |
| **NCBI Official Symbol** | spr-1 |
| **UniProt Protein Name** | REST corepressor spr-1 |
| **UniProt Synonym Protein Names** | CoREST; Suppressor of presenilin 1 |
| **Protein Family** | REST corepressor |
| **UniProt Gene Name** | spr-1 |
| **NCBI Protein Information** | REST corepressor spr-1 |
| **UniProt Comments for spr-1** | Probable corepressor protein, which probably participates in the transcriptional repression of the presenilin protein hop-1 (PubMed:12381669). Probably acts via the formation of a multiprotein complex that deacetylates and demethylates specific sites on histones (PubMed:12381669). Acts redundantly with the transcriptional repressor lin-35 to play a role in vulval morphogenesis and promote germline proliferation (PubMed:17070797). |
| **Research Articles on spr-1** | **1.** lin-35 and spr-1 coordinately regulate several developmental processes in C. elegans including the ingression of vulval cells as well as germline proliferation. |
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