

Product datasheet for **TA354622**

SMN1 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic peptide corresponding to C-terminus of human SMN. |
| Formulation: | This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer. |
| Purification: | The Rabbit IgG is purified by Epitope Affinity Purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 35 kDa |
| Gene Name: | survival of motor neuron 1, telomeric |
| Database Link: | NP_000335 Entrez Gene 6606 Human Q16637 |
| Background: | The survival motor neuron (SMN) protein is the protein product of the spinal muscular atrophy (SMA) disease. SMN gene is the SMA determining gene. In humans, there are two nearly identical copies of the survival of motor neuron genes (SMN1 and SMN2), whereas other eukaryotic species have only one copy of the SMN gene. SMN is expressed ubiquitously and is a core component of a self-assembling multiprotein complex. The SMN complex, consisting of SMN and Gemin proteins (Gemin2, -3, -4, -5, -6, -7 and -8), in which SMN-Gemin2 complex plays an essential role in the assembly and regeneration of small nuclear ribonucleoproteins (snRNPs) and spliceosomes. |
| Synonyms: | BCD541; GEMIN1; SMA; SMA1; SMA2; SMA3; SMA4; SMA@; SMN; SMNT; T-BCD541; TDRD16A |



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Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



WB: The cell lysate derived from HELA was immunoprobed by Rabbit anti-SMN at 1:500. An immunoreactive band is observed around ~35 kDa (1). This band is abolished by preincubation with immunizing peptide (2).