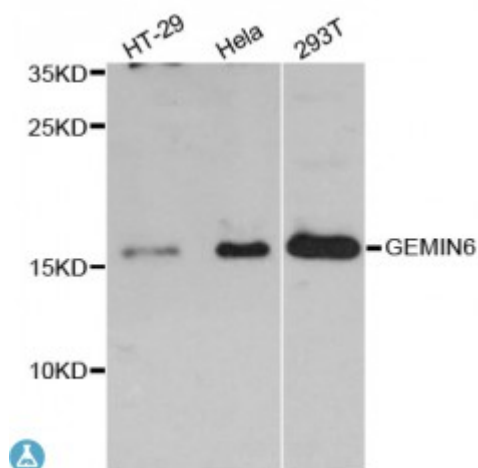


## Anti-GEMIN6 Antibody



|                            |  |
|----------------------------|--|
| <b>Model</b>               | STJ114253  |
| <b>Host</b>                | Rabbit   |
| <b>Reactivity</b>          | Human  |
| <b>Applications</b>        | WB   |
| <b>Immunogen</b>           | Recombinant fusion protein containing a sequence corresponding to amino acids 1-167 of human GEMIN6 (NP_079051.9). |
| <b>Gene ID</b>             | <a href="#">79833</a>  |
| <b>Gene Symbol</b>         | <a href="#">GEMIN6</a>   |
| <b>Dilution range</b>      | WB 1:200 - 1:500   |
| <b>Purification</b>        | Affinity purification  |
| <b>Note</b>                | For Research Use Only (RUO).   |
| <b>Protein Name</b>        | Gem-associated protein 6 Gemin-6 SIP2  |
| <b>Molecular Weight</b>    | 18.824 kDa   |
| <b>Clonality</b>           | Polyclonal   |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Isotype</b>             | IgG  |
| <b>Formulation</b>         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.  |
| <b>Storage Instruction</b> | Store at -20C. Avoid freeze / thaw cycles.   |
| <b>Database Links</b>      | <a href="#">HGNC:20044</a> <a href="#">OMIM:607006</a> <a href="#">Reactome:R-HSA-191859</a>                       |
| <b>Alternative Names</b>   | Gem-associated protein 6 Gemin-6 SIP2  |

**Function**

The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRNPB, SNRNPD1, SNRNPD2, SNRNPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRNPD1, SNRNPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus.

**Cellular Localization**

Nucleus, nucleoplasm,

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