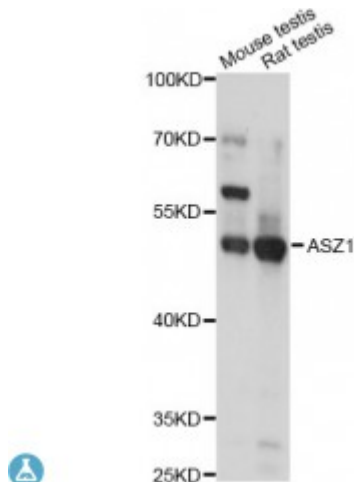


## Anti-ASZ1 Antibody



|                           |                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ116657                                                                                                                                                                           |
| <b>Host</b>               | Rabbit                                                                                                                                                                              |
| <b>Reactivity</b>         | Mouse, Rat                                                                                                                                                                          |
| <b>Applications</b>       | WB                                                                                                                                                                                  |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 1-350 of human ASZ1 (NP_570124.1).                                                                    |
| <b>Gene ID</b>            | <a href="#">136991</a>                                                                                                                                                              |
| <b>Gene Symbol</b>        | <a href="#">ASZ1</a>                                                                                                                                                                |
| <b>Dilution range</b>     | WB 1:500 - 1:2000                                                                                                                                                                   |
| <b>Tissue Specificity</b> | Expressed exclusively in the testis and ovary and at higher levels in the adult testis compared with the adult ovary                                                                |
| <b>Purification</b>       | Affinity purification                                                                                                                                                               |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                        |
| <b>Protein Name</b>       | Ankyrin repeat SAM and basic leucine zipper domain-containing protein 1<br>Ankyrin-like protein 1 Germ cell-specific ankyrin SAM and basic leucine zipper domain-containing protein |
| <b>Molecular Weight</b>   | 53.458 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:1350OMIM:605797Reactome:R-HSA-5601884</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Alternative Names</b>     | Ankyrin repeat SAM and basic leucine zipper domain-containing protein 1<br>Ankyrin-like protein 1 Germ cell-specific ankyrin SAM and basic leucine zipper domain-containing protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>              | Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity, Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons, Its association with pi-bodies suggests a participation in the primary piRNAs metabolic process, Required prior to the pachytene stage to facilitate the production of multiple types of piRNAs, including those associated with repeats involved in the regulation of retrotransposons, May act by mediating protein-protein interactions during germ cell maturation , |
| <b>Cellular Localization</b> | Cytoplasm,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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