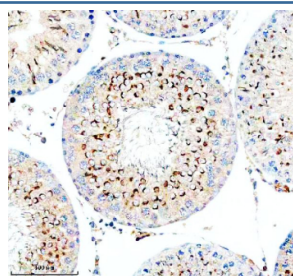


## TESMIN Antibody / Testis-expressed metallothionein-like protein (FY12682)

| Catalog No. | Formulation                                                              | Size   |
|-------------|--------------------------------------------------------------------------|--------|
| FY12682     | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml | 100 ug |

**Bulk quote request**

|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-2 days                                                                                                                        |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                               |
| <b>Format</b>             | Lyophilized                                                                                                                     |
| <b>Host</b>               | Rabbit                                                                                                                          |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                      |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                      |
| <b>Purity</b>             | Immunogen affinity purified                                                                                                     |
| <b>Buffer</b>             | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                       |
| <b>UniProt</b>            | Q9Y4I5                                                                                                                          |
| <b>Localization</b>       | Nuclear, possible Cytoplasmic                                                                                                   |
| <b>Applications</b>       | Western Blot : 0.25-0.5ug/ml<br>Immunohistochemistry : 2-5ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This TESMIN antibody is available for research use only.                                                                        |



Immunohistochemical staining of TESMIN using anti-TESMIN antibody. TESMIN was detected in a paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TESMIN antibody overnight at 4oC. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37oC. The tissue section was developed using an HRP secondary and DAB substrate.



potential use as a biomarker of metal-induced stress. In addition, transcriptomic data show TESMIN upregulation in certain tumors, including testicular germ cell carcinoma and renal cancers, suggesting its participation in stress adaptation and metal-responsive gene networks. Functional characterization of TESMIN continues to uncover connections between ion regulation and genome stability, as zinc is a cofactor for numerous DNA-binding proteins and enzymes involved in chromatin remodeling. The TESMIN antibody enables detailed visualization and quantification of TESMIN under physiological and stress conditions, providing insights into male fertility, toxicology, and tumor biology. NSJ Bioreagents offers this antibody validated for specificity and reproducibility across multiple assay types.

## Application Notes

Optimal dilution of the TESMIN antibody should be determined by the researcher.

## Immunogen

E.coli-derived human TESMIN recombinant protein (Position: E14-E508) was used as the immunogen for the TESMIN antibody.

## Storage

After reconstitution, the TESMIN antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.