

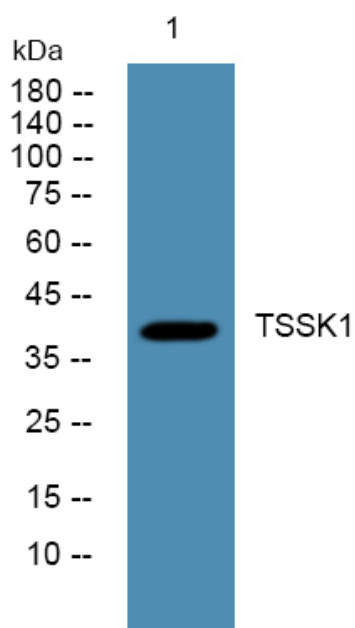


# TSSK1 Polyclonal Antibody

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-Ab-06755                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>                | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>              | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>                 | TSSK1B SPOGA1 SPOGA4 STK22A STK22D TSSK1 FKSG81                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Name</b>              | Testis-specific serine/threonine-protein kinase 1 (TSK-1) (TSK1) (TSSK-1) (Testis-specific kinase 1) (EC 2.7.11.1) (Serine/threonine-protein kinase 22A)                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>                 | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>               | TSSK1 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>                    | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification</b>              | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Dilution</b>                  | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Observed Band</b>             | 40kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>              | Cytoplasm . Cytoplasmic vesicle, secretory vesicle, acrosome . Cell projection, cilium, flagellum . In spermatozoa, present in the sperm head and in the flagellum.                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b>        | Testis-specific. Present in sperm (at protein level).                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                  | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-174, potentially by autophosphorylation.,function:May be involved in a signaling pathway during male germ cell development or mature sperm function.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain., |
| <b>Background</b>                | TSSK1 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM, Mar 2008],                                                                                                                                                                                                                                                                                                                                                               |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western blot analysis of lysates from U2OS cells,  
primary antibody was diluted at 1:1000, 4° over night