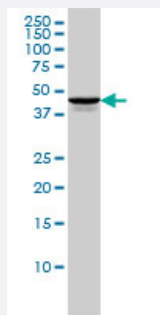


# TSSK2 monoclonal antibody (M01), clone 1E12

Catalog # H00023617-M01

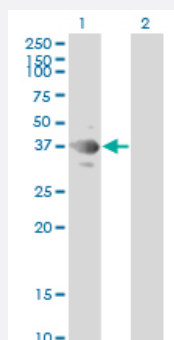
Size 100 ug

## Applications



### Western Blot (Cell lysate)

TSSK2 monoclonal antibody (M01), clone 1E12 Western Blot analysis of TSSK2 expression in HL-60 ( Cat # L014V1 ).

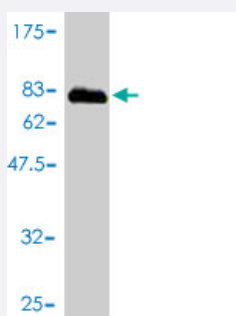


### Western Blot (Transfected lysate)

Western Blot analysis of TSSK2 expression in transfected 293T cell line by TSSK2 monoclonal antibody (M01), clone 1E12.

Lane 1: TSSK2 transfected lysate(41 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (65.12 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant TSSK2.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | TSSK2 (AAH37781, 1 a.a. ~ 358 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                    |
| <b>Sequence</b>                      | MDDATVLRKKGYYVGINLGKGSYAKVKSAYSERLKFNVAVKIIDRKKTPTDFVERFLPREMDILATV<br>NHGSIKTYEIFETSDGRYIMELGVQGDLLLEFIKCQGALHEDVARKMFRQLSSAVKYCHDLDVHRD<br>LKCENLLLDKDFNIKLSDFGFSKRCLRDSNGRIILSKTFCGSAAYAAPEVLQSPYQPKVYDIWSLG<br>VILYIMVCGSMPYDDSDIRKMLRIQKEHRVDFPRSKNLTCECKDLIYRMLQPDVSQRLHIDEILSHS<br>WLQPPKPKATSSASFKREGEGKYRAECKLDTKTDLRPDHRPDHKLGAQTQHRLLVVPENENRM<br>EDRLAETSRADHHISGAIEVGKAST |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Interspecies Antigen Sequence</b> | Mouse (91); Rat (92)                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>                       | IgG2a kappa                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (65.12 KDa) .                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                               |

## Applications

- Western Blot (Cell lysate)

TSSK2 monoclonal antibody (M01), clone 1E12 Western Blot analysis of TSSK2 expression in HL-60 ( Cat # L014V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TSSK2 expression in transfected 293T cell line by TSSK2 monoclonal antibody (M01), clone 1E12.

Lane 1: TSSK2 transfected lysate(41 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — TSSK2

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">23617</a>                                                                                                                    |
| GeneBank Accession# | <a href="#">BC037781</a>                                                                                                                 |
| Protein Accession#  | <a href="#">AAH37781</a>                                                                                                                 |
| Gene Name           | TSSK2                                                                                                                                    |
| Gene Alias          | DGS-G, FLJ38613, SPOGA2, STK22B                                                                                                          |
| Gene Description    | testis-specific serine kinase 2                                                                                                          |
| Omim ID             | <a href="#">610710</a>                                                                                                                   |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                |
| Gene Summary        | TSSK2 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM] |
| Other Designations  | serine/threonine kinase 22B (spermiogenesis associated) spermiogenesis associated 2 testis s<br>pecific serine threonine kinase 2        |

## Publication Reference

- [Expression of Testis-specific Serine/Threonine Kinases during the Reproductive and Nonreproductive Seasons and Their Localization in Mature Spermatozoa of Tree Shrews \(Tupaia belangeri\).](#)  
Xia Tan, Xin Zhang, Xiang Li, Minghua Yang, Yahui Li.  
Comparative Medicine 2023 Aug; 73(4):277.  
Application: IHC-P, Tree shrew, Sperm
- [Expression and Localization of Five Members of the Testis-Specific Serine Kinase \(Tssk\) Family in Mouse and Human Sperm and Testis.](#)  
Li Y, Sosnik J, Brassard L, Reese M, Spiridonov NA, Bates TC, Johnson GR, Anguita J, Visconti PE, Salicioni AM.  
Molecular Human Reproduction 2011 Jan; 17(1):42.  
Application: IF, WB-Ce, Human, Mouse, Sperm, Testes

## Disease

- [Azoospermia](#)
- [Oligospermia](#)