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TESK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TESK2.
Catalog # AT4208a

Specification

TESK2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF**
Primary Accession	Q96S53
Other Accession	BC033085
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**63639**

TESK2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10420

Other Names
Dual specificity testis-specific protein kinase 2, Testicular protein kinase 2, TESK2

Target/Specificity
TESK2 (AAH33085, 405 a.a. ~ 542 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
TESK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

TESK2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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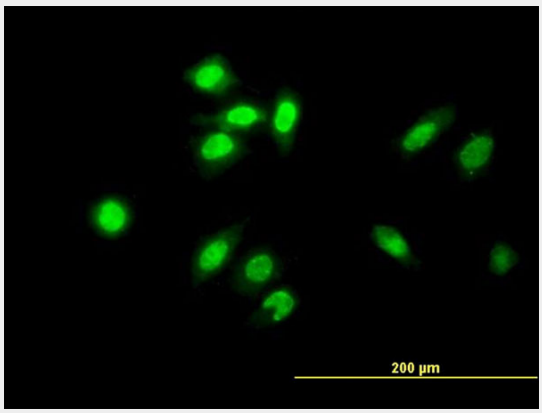
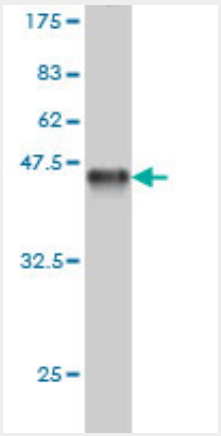
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

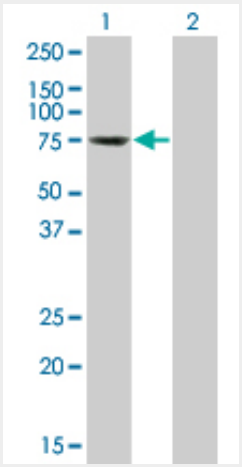
TESK2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to TESK2 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.81 KDa) .



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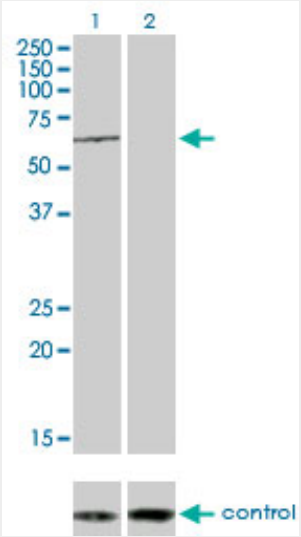
Western Blot analysis of TESK2 expression in transfected 293T cell line by TESK2 monoclonal antibody (M01), clone 1A8.

Lane 1: TESK2 transfected lysate(56.137 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of TESK2 over-expressed 293 cell line, cotransfected with TESK2 Validated Chimera RNAi ((Cat # AT4208a)

TESK2 Antibody (monoclonal) (M01) - Background

This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain that is structurally similar to the kinase domains of testis-specific protein kinase-1 and the LIM motif-containing protein kinases (LIMKs). Its overall structure is most related to the former, indicating that it belongs to the TESK subgroup of the LIMK/TESK family of protein kinases. This gene is predominantly expressed in testis and prostate. The developmental expression pattern of the rat gene in testis suggests an important role for this gene in meitoic stages and/or early stages of spermiogenesis.

TESK2 Antibody (monoclonal) (M01) - References

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Binding of 14-3-3beta regulates the kinase activity and subcellular localization of testicular protein kinase 1. Toshima JY, et al. J Biol Chem, 2001 Nov 16. PMID 11555644.