10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TES Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TES.
Catalog # AT4207a

Product Information

Application	WB, IHC, IF
Primary Accession	Q9UGI8
Other Accession	BC001451
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1G11-B7
Calculated MW	47996

Additional Information

Gene ID	26136
Other Names	Testin, TESS, TES
Target/Specificity	TES (AAH01451, 1 a.a. ~ 421 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	TES Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

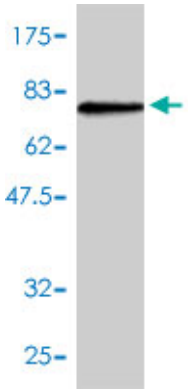
Cancer-associated chromosomal changes often involve regions containing fragile sites. This gene maps to a commom fragile site on chromosome 7q31.2 designated FRA7G. This gene is similar to mouse Testin, a testosterone-responsive gene encoding a Sertoli cell secretory protein containing three LIM domains. LIM domains are double zinc-finger motifs that mediate protein-protein interactions between transcription factors, cytoskeletal proteins and signaling proteins. Multiple protein isoforms are encoded by transcript variants of this gene.

References

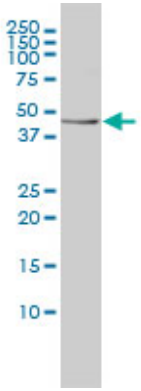
Frequent hypermethylation and loss of heterozygosity of the testis derived transcript gene in ovarian cancer.

Qiu H, et al. Cancer Sci, 2010 May. PMID 20180808.Downregulation of TESTIN and its association with cancer history and a tendency toward poor survival in head and neck squamous cell carcinoma. Gunduz E, et al. Arch Otolaryngol Head Neck Surg, 2009 Mar. PMID 19289703.[Expression and clinical significance of TESTIN in primary gastric cancer] Huang W, et al. Ai Zheng, 2008 Sep. PMID 18799041.LIM domain protein TES changes its conformational states in different cellular compartments. Zhong Y, et al. Mol Cell Biochem, 2009 Jan. PMID 18696217.Tes, a specific Mena interacting partner, breaks the rules for EVH1 binding. Bo?da B, et al. Mol Cell, 2007 Dec 28. PMID 18158903.

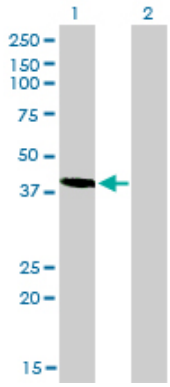
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (72.05 KDa) .

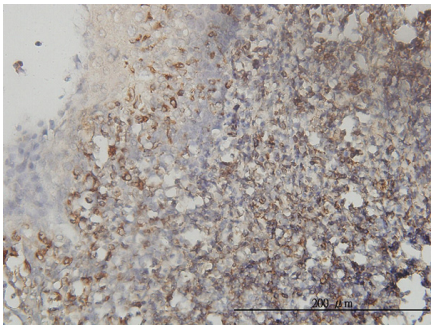


TES monoclonal antibody (M01), clone 1G11-B7 Western Blot analysis of TES expression in K-562 ((Cat # AT4207a)

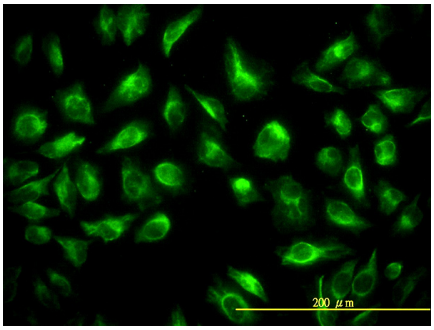


Western Blot analysis of TES expression in transfected 293T cell line by TES monoclonal antibody (M01), clone 1G11-B7.

Lane 1: TES transfected lysate(48 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TES on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 3 ug/ml]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.