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T Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1993b

Specification

T Antibody - Product Information

Application	**WB,E**
Primary Accession	O15178
Other Accession	NP_003172.1
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM**
Antigen Region	**262-291**

T Antibody - Additional Information

Gene ID 6862

Other Names
Brachyury protein, Protein T, T

Target/Specificity
This T antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 262-291 amino acids from human T.

Dilution
WB~~1:500~1000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
T Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

T Antibody - Protein Information

Name TBXT (HGNC:11515)

Synonyms T

Function Involved in the transcriptional regulation of genes required for mesoderm formation and differentiation. Binds to a palindromic T site 5'-TTCACACCTAGGTGTGAA-3' DNA sequence and

activates gene transcription when bound to such a site.

Cellular Location
Nucleus

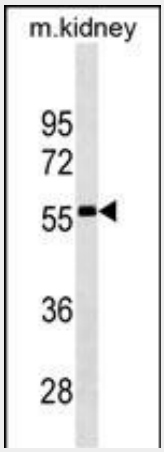
Tissue Location
Detected in testis, but not in other, normal tissues. Detected in lung tumors (at protein level)

T Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

T Antibody - Images



T Antibody (Cat. #AM1993b) western blot analysis in mouse kidney tissue lysates (35µg/lane).This demonstrates the T antibody detected the T protein (arrow).

T Antibody - Background

The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells.

T Antibody - References

Jambhekar, N.A., et al. Arch. Pathol. Lab. Med. 134(8):1181-1187(2010)
Docherty, S.J., et al. BMC Genet. 11, 61 (2010) :
Yang, X.R., et al. Nat. Genet. 41(11):1176-1178(2009)

Oakley, G.J., et al. Mod. Pathol. 21(12):1461-1469(2008)
Bondue, A., et al. Cell Stem Cell 3(1):69-84(2008)