

T Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1735a

Product Information

| | |
|--------------------------|---|
| Application | WB, FC, E |
| Primary Accession | O15178 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone Names | 6C12 |
| Isotype | IgG1 |
| Calculated MW | 47443 |
| Description | 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. |
| Immunogen | Purified recombinant fragment of human T (AA: 218-352) expressed in E. Coli. |
| Formulation | Purified antibody in PBS with 0.05% sodium azide |

Additional Information

| | |
|--------------------|--|
| Gene ID | 6862 |
| Other Names | Brachyury protein, Protein T, T |
| Dilution | WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000 |
| Storage | Maintain refrigerated at 2-8°C for up to 6 months. 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. |

Protein Information

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|-----------------|---|
| 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)

References

1.Am J Surg Pathol. 2008 Apr;32(4):572-80. 2.J Clin Neurosci. 2011 Jan;18(1):96-9.

Images

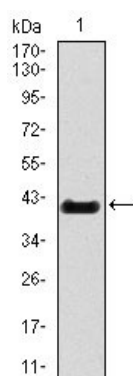


Figure 1: Western blot analysis using T mAb against human T recombinant protein. (Expected MW is 40.3 kDa)

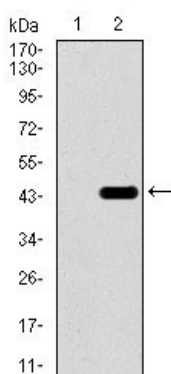


Figure 2: Western blot analysis using T mAb against HEK293 (1) and T (AA: 218-352)-hIgGfc transfected HEK293 (2) cell lysate.

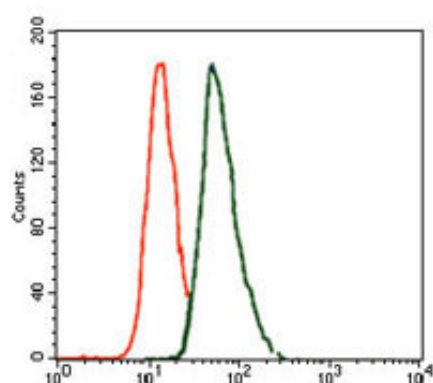


Figure 3: Flow cytometric analysis of A549 cells using T mouse mAb (green) and negative control (red).

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