

## Anti-TBXT Polyclonal Antibody

## Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Mouse,Rat (predicted:Human)          |
| Molecular Weight: | Theoretical: 48 kDa. Actual: 55 kDa. |
| Purification:     | Protein A purified                   |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | 25 µg total protein per lane of various lysates (see on figure) probed with Brachyury polyclonal antibody, unconjugated (TMAB-13417) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. |
| Application:       | WB  |
| Recommended        | WB: 1:500-2000  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human Brachyury |
| Antigen Species: | Human   |
| Gene ID:         | 6862  |
| Uniprot ID:      | O15178  |

## Research 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. Variation in this gene was associated with susceptibility to neural tube defects and chordoma. A mutation in this gene was found in a family with sacral agenesis with vertebral anomalies. [provided by RefSeq, Sep 2018]

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