

Anti-TBX21 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 59 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Thymus (Mouse) Lysate at 40 μ g

Primary: Anti-Tbx21 (TMAB-01813) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kDa

Observed band size: 59 kDa

2. Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C

for 20 min;

Incubation: Anti-Tbx21/T-bet Polyclonal Antibody, Unconjugated (TMAB-01813) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

3. Sample:

Lane 1: Lung (Mouse) Lysate at 40 μ g

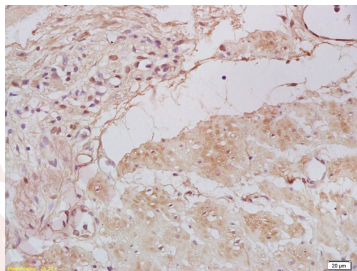
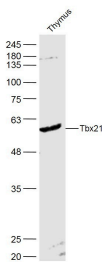
Lane 2: Thymus (Mouse) Lysate at 40 μ g

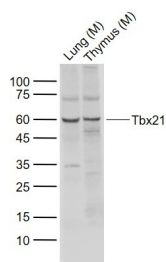
Primary: Anti-Tbx21 (TMAB-01813) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kDa

Observed band size: 60 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: 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 Tbx21

Antigen Species: Human

Gene ID: 30009

Uniprot ID: Q9UL17

Synonyms: TBLYM;T-box protein 21;TBET;TBX21;T-cell-specific T-box transcription factor T-bet; Transcription factor TBLYM;T-box transcription factor TBX21

Research Background

This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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