



Rabbit Anti-Tbx21 antibody

SL3599R

Product Name:	Tbx21
Chinese Name:	T细胞介导的transcriptional regulatory factorTbx21抗体
Alias:	T bet; T box 21; T box expressed in T cells; T box protein 21; T box transcription factor TBX21; T cell specific T box transcription factor; T cell specific T box transcription factor T bet; T PET; TBET; TBLYM; TBX 21; TBX21; TPET; Transcription factor TBLYM; TBX21_HUMAN; T-box transcription factor TBX21; T-box protein 21; T-cell-specific T-box transcription factor T-bet; Transcription factor TBLYM.
文献引用 PubMed :	<p>Specific References(1) SL3599R has been referenced in 1 publications.</p> <p>[IF=3.53]Bang, Mi-Ae, et al. "Bacillus subtilis KCTC 11782BP-Produced Alginate Oligosaccharide Effectively Suppresses Asthma via T-Helper Cell Type 2-Related Cytokines." PloS one 10.2 (2014): e0117524-e0117524.IHC-P;Mouse.</p> <p style="text-align: right;">PubMed:25658604</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Tbx21:201-300/535
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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].</p> <p>Function: Transcription factor that controls the expression of the TH1 cytokine, interferon-gamma. Initiates TH1 lineage development from naive TH precursor cells both by activating TH1 genetic programs and by repressing the opposing TH2 programs.</p> <p>Subcellular Location: Nucleus.</p> <p>Tissue Specificity: T-cell specific.</p> <p>DISEASE: Genetic variations in TBX21 are associated with susceptibility to asthma with nasal polyps and aspirin intolerance (ANPAI) [MIM:208550]. A condition consisting of asthma, aspirin sensitivity and nasal polyposis. Nasal polyposis is due to chronic inflammation of the paranasal sinus mucosa, leading to protrusion of edematous polyps into the nasal cavities.</p> <p>Similarity: Contains 1 T-box DNA-binding domain.</p> <p>SWISS: Q9UL17</p> <p>Gene ID: 30009</p> <p>Database links: Entrez Gene: 30009Human Entrez Gene: 57765Mouse</p>

[Oimim: 604895](#)Human

[SwissProt: Q9UL17](#)Human

[SwissProt: Q9JKD8](#)Mouse

[Unigene: 272409](#)Human

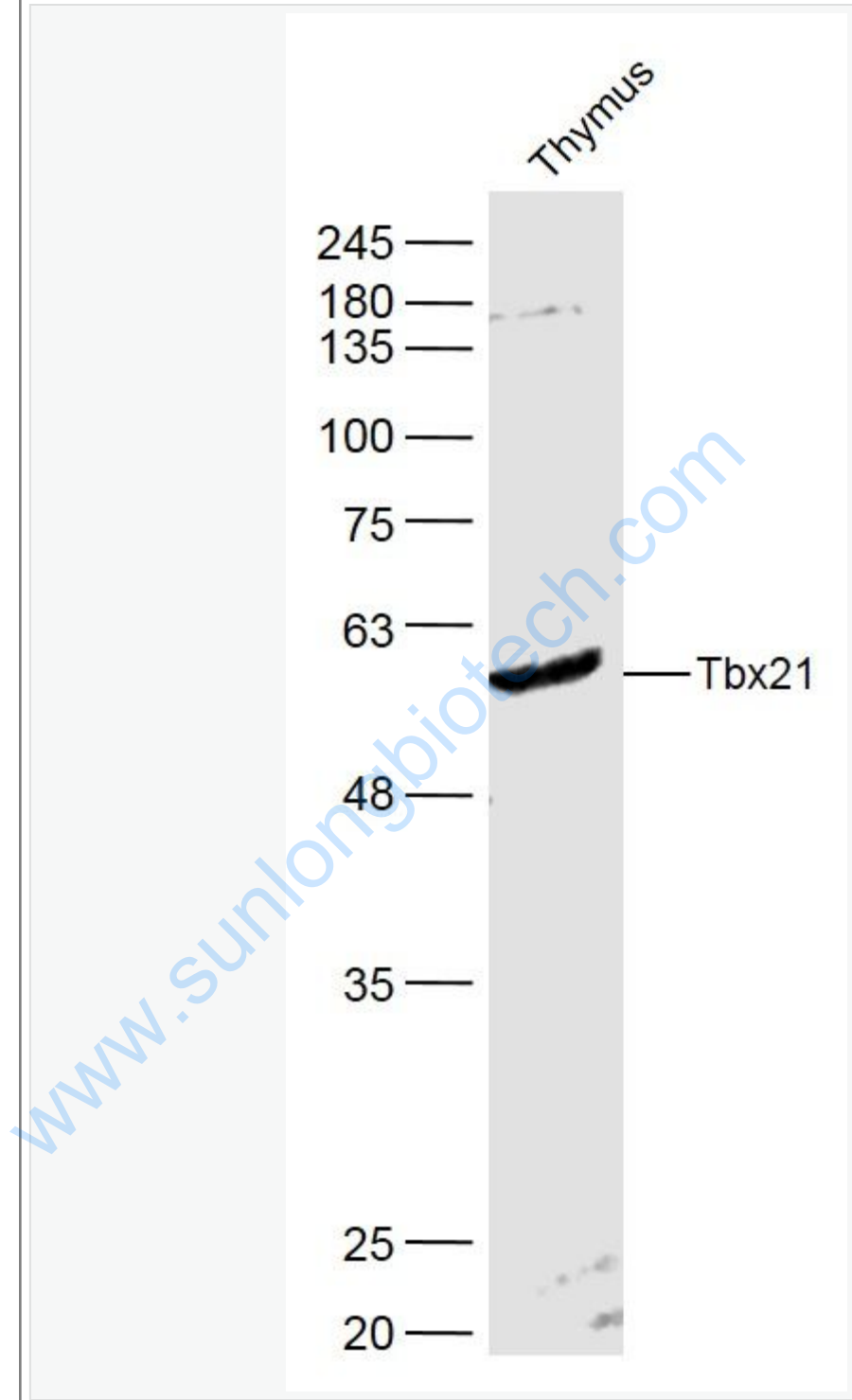
[Unigene: 94519](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

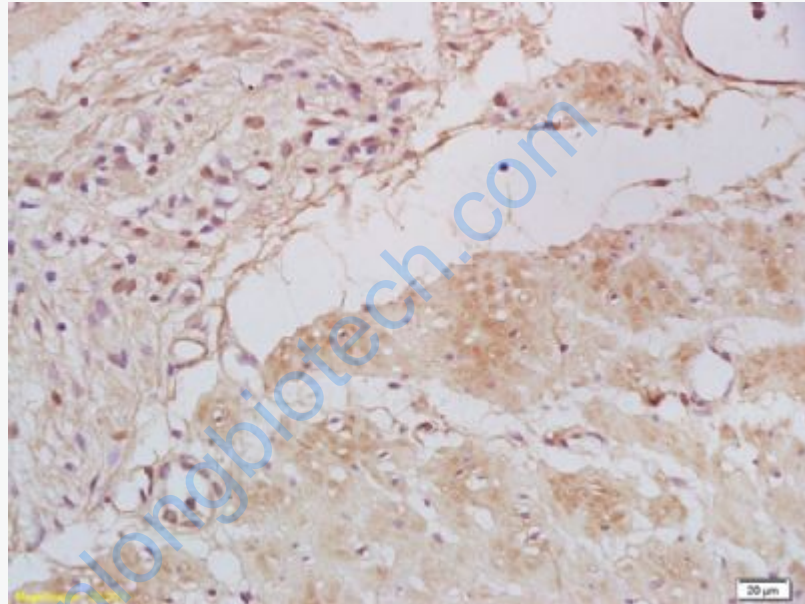
Thymus (Mouse) Lysate at 40 ug

Primary: Anti-Tbx21 (SL3599R) at 1/300 dilution

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

Predicted band size: 59 kD

Observed band size: 59 kD



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

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Tbx21/T-bet Polyclonal Antibody, Unconjugated(SL3599R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining