TBX21 Polyclonal Antibody

Catalog No	YP-Ab-07767
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	TBX21 TBET TBLYM
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TBX21 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IMD88;T-PET;T-bet;TBET;TBLYM;TBT1;TBX21_HUMAN;TBX21;T-box protein 21;T-cell-specific T-box transcription factor T-bet;Transcription factor TBLYM; TBX21_MOUSE;T-box transcription factor 21;T-box 21;T-box transcription factor expressed in T cells;TBX21 TBET TBLYM;T-box transcription factor TBX21 (T-box protein 21) (T-cell-specific T-box transcription factor T-bet) (Transcription factor TBLYM)
Observed Band	60 kDa
Calculated Molecular Weight	59 kDa
Cell Pathway	Nucleus .
Tissue Specificity	T-cell specific.
Function	disease:Genetic variations in TBX21 are associated with susceptibility to aspirin-induced asthma [MIM:208550]. Asthma is defined as a chronic inflammatory lung disease that is characterized by airway hyperreactivity, eosinophil inflammation, and mucus hypersecretion resulting in intermittent airway obstruction.,disease:Genetic variations in TBX21 are associated with susceptibility to asthma and nasal polyps [MIM:208550]. Nasal polyps is a chronic inflammatory disease of the paranasal sinus mucosa, leading to the protrusion of edematous polyps into the nasal cavities.,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., similarity:Contains 1 T-box DNA-binding domain.,tissue specificity:T-cell speci
Background	T-box 21(TBX21) Homo sapiens 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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