

Rabbit T-bet/Tbx21 Polyclonal Antibody | anti-TBX21 antibody

Anti-T-bet/Tbx21 Antibody

CATALOG # AAA125399	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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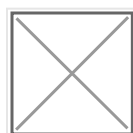
PRODUCT SYNONYMS

T-bet/Tbx21; Polyclonal Antibody; Anti-T-bet/Tbx21 Antibody; T-box transcription factor TBX21; T-box protein 21; T-cell-specific T-box transcription factor T-bet; Transcription factor TBLYM; TBX21; TBET; TBLYM; anti-TBX21 antibody

PRODUCT SPECIFICATIONS

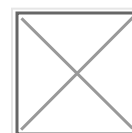
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	535
Applicable Applications for anti-TBX21 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human T-bet/Tbx21(NNVTQMIVLQSLHKYQPR LHIVEVNDGE).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

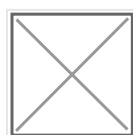


WB (Western Blot)

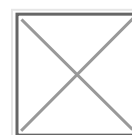
Figure 1. Western blot analysis of TBX21 using anti-TBX21 antibody.



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-TBX21 antibody	Description: Rabbit IgG polyclonal antibody for T-bet/Tbx21 detection. Tested with WB, FCM in Human; Mouse; Rat. Background: T-box transcription factor TBX21 is a protein that in humans is encoded by the TBX21 gene. It is mapped to 17q21.32. 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.
References	1. Akahoshi, M., Obara, K., Hirota, T., Matsuda, A., Hasegawa, K., Takahashi, N., Shimizu, M., Nakashima, K., Cheng, L., Doi, S., Fujiwara, H., Miyatake, A., and 10 others. Functional promoter polymorphism in the TBX21 gene associated with aspirin-induced asthma. Hum. Genet. 117: 16-26, 2005. 2. Woo, C. H., Shin, S. G., Koh, S. H., Lim, J. H. TBX21 participates in innate immune response by regulating Toll-like receptor 2 expression in Streptococcus pneumoniae infections. Molec. Oral Microbiol. 29: 233-243, 2014. 3. Yi, W., Zhang, P., Liang, Y., Zhou, Y., Shen, H., Fan, C., Moorman, J. P., Yao, Z. Q., Jia, Z., Zhang, Y. T-bet-mediated Tim-3 expression dampens monocyte function during chronic hepatitis C virus infection. Immunology 150: 301-311, 2016.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12230772
NCBI GeneID	30009
UniProt Accession #	Q9UL17
NCBI Official Full Name	T-box transcription factor TBX21
NCBI Official Synonym Full Names	T-box transcription factor 21
NCBI Official Symbol	TBX21
NCBI Official Synonym Symbols	TBET; T-PET; T-bet; TBLYM
NCBI Protein Information	T-box transcription factor TBX21
UniProt Protein Name	T-box transcription factor TBX21
UniProt Gene Name	TBX21
UniProt Synonym Gene Names	TBET; TBLYM; T-box protein 21
UniProt Entry Name	TBX21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.