

Rabbit anti-Human, Mouse TBX21 / T-bet Polyclonal Antibody | anti-TBX21 antibody

Rabbit Polyclonal (IgG) to Human TBX21 / T-bet

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52435	Rabbit	Human, Mouse	ELISA, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

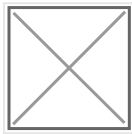
TBX21 / T-bet; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human TBX21 / T-bet; Anti-TBX21 / T-bet Antibody (C-Terminus) IHC-plus; TBX21; T-bet; TBET; T-box 21; T-box protein 21; TBLYM; Transcription factor TBLYM; T-box expressed in T cells; T-PET; Human TBX21; anti-TBX21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TBX21 antibody is human and mouse reactive.
Purity/Purification	Peptide Column Affinity Chromatography
Form/Format	PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	535
Applicable Applications for anti-TBX21 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Type	Synthetic peptide
Immunogen Species	Human
Immunogen Description	TBX21 / T-bet antibody was raised against a 19 amino acid peptide near the carboxy terminus of human TBX2. The immunogen is located within the last 50 amino acids of TBX21.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C for up 3 months. Store at -20°C for up to 1 year. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of TBX21 in 293 cell lysate with TBX21 antibody at 1 ug/ml.



IF (Immunofluorescence)
Immunofluorescence of TBX21 in 293 cells with TBX21 antibody at 5 ug/ml.



IHC (Immunohistochemistry)
Anti-TBX21 / T-bet antibody IHC staining of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019549
NCBI GeneID	30009
NCBI Accession #	NP_037483.1
NCBI GenBank Nucleotide #	NM_013351.1
UniProt Accession #	Q9UL17
NCBI Official Full Name	T-box transcription factor TBX21
NCBI Official Synonym Full Names	T-box 21
NCBI Official Symbol	TBX21
NCBI Official Synonym Symbols	TBET; T-PET; T-bet; TBLYM
NCBI Protein Information	T-box transcription factor TBX21; T-box protein 21; T-box expressed in T cells; transcription factor TBLYM; T-cell-specific T-box transcription factor T-bet
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tbx21-t-bet-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/52435>