

T-bet/Tbx21 Rabbit PolymAb®

Catalog No.: A23414PM **1 Publications**

Basic Information

Observed MW

65 kDa

Calculated MW

58 kDa

Category

Primary antibody

Applications

WB,IP,IF-F,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC61889_ARC61564

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.

Recommended Dilutions

WB	1:1000 - 1:10000
IP	0.5 µg - 4 µg antibody for 300 µg - 500 µg extracts of whole cells
IF-F	1:100 - 1:400
IF-P	1:100 - 1:400
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

30009

Swiss Prot

Q9UL17

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

TBET; IMD88; T-PET; T-bet; TBLYM

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

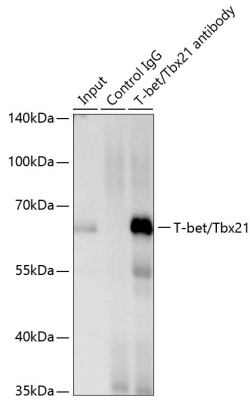
Contact

 | 400-999-6126

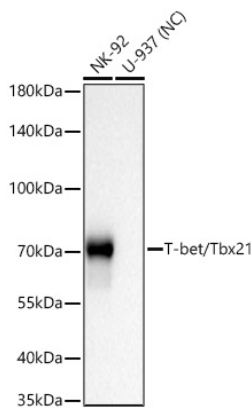
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

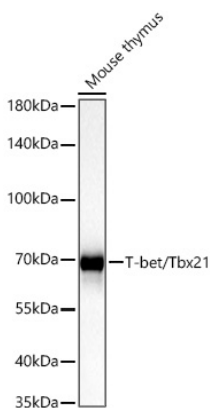
Validation Data



Immunoprecipitation of T-bet/Tbx21 from 400 μ g extracts of NK-92 cells was performed using 1 μ g of T-bet/Tbx21 Rabbit PolymAb® (A23414PM). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1 \times reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using T-bet/Tbx21 Rabbit PolymAb® (A23414PM) at a dilution of 1:1000.

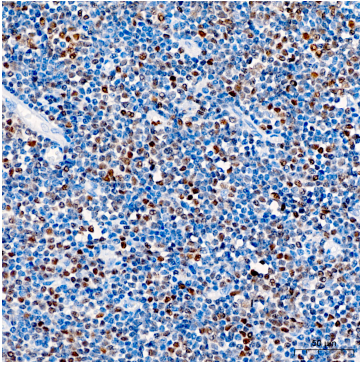


Western blot analysis of various lysates using T-bet/Tbx21 Rabbit PolymAb® (A23414PM) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): U-937. Exposure time: 10s.

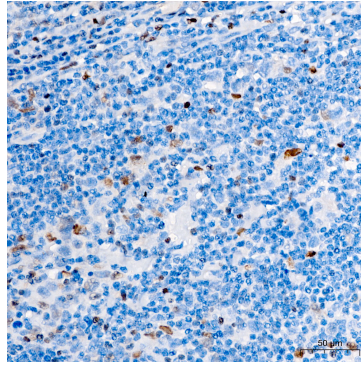


Western blot analysis of lysates from Mouse thymus using T-bet/Tbx21 Rabbit PolymAb® (A23414PM) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

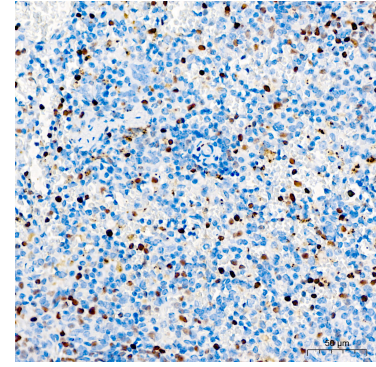
Validation Data



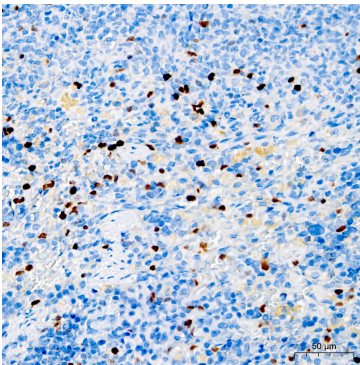
Immunohistochemistry analysis of paraffin-embedded Human peripheral T-cell lymphoma tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



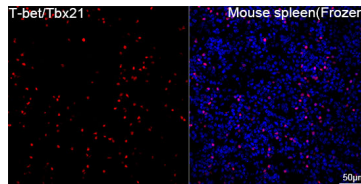
Immunohistochemistry analysis of paraffin-embedded Human anaplastic large cell lymphoma tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



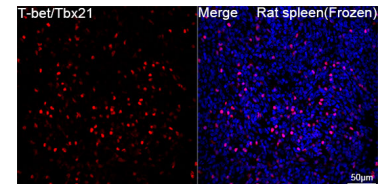
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



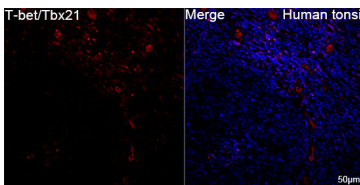
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



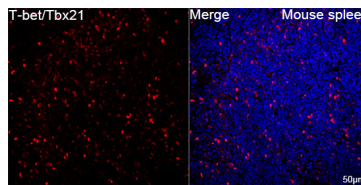
Confocal imaging of frozen sections of Mouse spleen tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



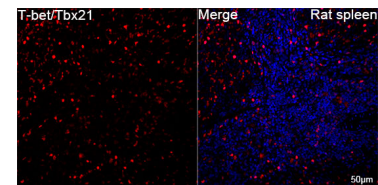
Confocal imaging of frozen sections of Rat spleen tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Human tonsil tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure



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Confocal imaging of paraffin-embedded Rat spleen tissue using Tbet/Tbx21 Rabbit PolymAb® (A23414PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure

Validation Data

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